

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021885.D
 Acq On : 15 Apr 2025 10:31
 Operator : SY/MD
 Sample : VY0415SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:00:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	243611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	377912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	332831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	172638	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124383	47.125	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.240%
35) Dibromofluoromethane	7.634	113	121979	49.758	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.520%
50) Toluene-d8	10.109	98	460739	49.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.800%
62) 4-Bromofluorobenzene	12.408	95	159315	50.504	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	45143	17.879	ug/l	96
3) Chloromethane	2.068	50	63496	17.884	ug/l	100
4) Vinyl Chloride	2.202	62	69039	17.194	ug/l	99
5) Bromomethane	2.592	94	58097	21.214	ug/l	99
6) Chloroethane	2.732	64	48311	18.387	ug/l	100
7) Trichlorofluoromethane	3.056	101	97125	18.883	ug/l	95
8) Diethyl Ether	3.452	74	26745	19.120	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.805	101	53155	19.594	ug/l	97
10) Methyl Iodide	4.000	142	57974	19.480	ug/l	100
11) Tert butyl alcohol	4.884	59	15844	92.417	ug/l #	85
12) 1,1-Dichloroethene	3.787	96	48470	18.969	ug/l	92
13) Acrolein	3.659	56	13030	41.624	ug/l	97
14) Allyl chloride	4.385	41	74827	18.366	ug/l	99
15) Acrylonitrile	5.061	53	55320	94.720	ug/l	99
16) Acetone	3.879	43	44952	83.215	ug/l	99
17) Carbon Disulfide	4.104	76	142621	16.946	ug/l	99
18) Methyl Acetate	4.385	43	27277	20.374	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	121901	19.162	ug/l	97
20) Methylene Chloride	4.616	84	57384	19.337	ug/l	91
21) trans-1,2-Dichloroethene	5.110	96	54151	19.247	ug/l	96
22) Diisopropyl ether	6.018	45	169196	19.797	ug/l	98
23) Vinyl Acetate	5.957	43	458683	91.742	ug/l	97
24) 1,1-Dichloroethane	5.921	63	100512	19.668	ug/l	99
25) 2-Butanone	6.902	43	66729	86.486	ug/l	98
26) 2,2-Dichloropropane	6.884	77	87336	19.212	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	62594	19.784	ug/l	98
28) Bromochloromethane	7.244	49	40530	18.805	ug/l	97
29) Tetrahydrofuran	7.268	42	45272	91.170	ug/l	99
30) Chloroform	7.421	83	104140	19.593	ug/l	97
31) Cyclohexane	7.701	56	83349	17.892	ug/l	90
32) 1,1,1-Trichloroethane	7.616	97	92724	19.301	ug/l	98
36) 1,1-Dichloropropene	7.835	75	71419	19.127	ug/l	98
37) Ethyl Acetate	6.988	43	33151	18.812	ug/l	99
38) Carbon Tetrachloride	7.817	117	85307	19.947	ug/l	95
39) Methylcyclohexane	9.109	83	85264	19.115	ug/l	97
40) Benzene	8.079	78	224539	20.080	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021885.D
 Acq On : 15 Apr 2025 10:31
 Operator : SY/MD
 Sample : VY0415SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0415SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:00:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	17093	18.265	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	62212	19.735	ug/l	100
43) Isopropyl Acetate	8.195	43	63195	18.923	ug/l	98
44) Trichloroethene	8.865	130	59481	20.877	ug/l	97
45) 1,2-Dichloropropane	9.140	63	53002	20.024	ug/l	98
46) Dibromomethane	9.231	93	30944	20.285	ug/l	97
47) Bromodichloromethane	9.420	83	80993	20.490	ug/l	98
48) Methyl methacrylate	9.219	41	29261	19.091	ug/l	99
49) 1,4-Dioxane	9.237	88	6675	408.464	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	165664	95.326	ug/l	98
52) Toluene	10.170	92	139036	19.929	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	69226	19.717	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	82535	19.927	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	39785	20.266	ug/l	98
56) Ethyl methacrylate	10.438	69	49539	19.763	ug/l	97
57) 1,3-Dichloropropane	10.713	76	68537	20.215	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	123964	101.375	ug/l	99
59) 2-Hexanone	10.761	43	107853	93.186	ug/l	99
60) Dibromochloromethane	10.914	129	54537	20.348	ug/l	99
61) 1,2-Dibromoethane	11.018	107	37437	20.329	ug/l	98
64) Tetrachloroethene	10.646	164	67174	22.160	ug/l	96
65) Chlorobenzene	11.444	112	154845	20.295	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	56910	21.023	ug/l	99
67) Ethyl Benzene	11.517	91	257763	19.702	ug/l	98
68) m/p-Xylenes	11.627	106	202072	40.335	ug/l	99
69) o-Xylene	11.956	106	93613	20.243	ug/l	100
70) Styrene	11.969	104	160316	20.792	ug/l	98
71) Bromoform	12.133	173	31905	20.662	ug/l #	98
73) Isopropylbenzene	12.255	105	248704	19.396	ug/l	99
74) N-amyl acetate	12.072	43	55120	18.316	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	42852	18.588	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	33164m	19.380	ug/l	
77) Bromobenzene	12.529	156	60960	19.801	ug/l	98
78) n-propylbenzene	12.596	91	303563	19.692	ug/l	99
79) 2-Chlorotoluene	12.676	91	175760	19.630	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	209687	20.009	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13215	17.793	ug/l	94
82) 4-Chlorotoluene	12.779	91	183351	19.642	ug/l	98
83) tert-Butylbenzene	12.999	119	183159	19.622	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	205805	19.870	ug/l	100
85) sec-Butylbenzene	13.176	105	271894	19.932	ug/l	100
86) p-Isopropyltoluene	13.291	119	224215	19.887	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	122656	20.222	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	121568	20.286	ug/l	98
89) n-Butylbenzene	13.621	91	204620	19.625	ug/l	100
90) Hexachloroethane	13.883	117	48225	19.519	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	107275	20.317	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7097	19.862	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	61618	21.519	ug/l	98
94) Hexachlorobutadiene	15.023	225	39220	21.932	ug/l	98
95) Naphthalene	15.145	128	99801	21.028	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	53836	22.048	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
Data File : VY021885.D
Acq On : 15 Apr 2025 10:31
Operator : SY/MD
Sample : VY0415SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0415SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:00:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

