

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020845.D
 Acq On : 17 Jan 2025 10:58
 Operator : SY/MD
 Sample : VY0117SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0117SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/20/2025
 Supervised By :Semsettin Yesilyurt 01/21/2025

Quant Time: Jan 17 23:22:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	217641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	320405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	265072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	132470	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	90941	49.161	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.320%
35) Dibromofluoromethane	7.646	113	98715	49.178	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.360%
50) Toluene-d8	10.115	98	377611	53.964	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.920%
62) 4-Bromofluorobenzene	12.414	95	126828	49.081	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	98.160%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	28029	17.548	ug/l	95
3) Chloromethane	2.074	50	16425	19.530	ug/l	96
4) Vinyl Chloride	2.214	62	19024	20.348	ug/l	100
5) Bromomethane	2.604	94	12345	18.539	ug/l	97
6) Chloroethane	2.745	64	11905	20.647	ug/l	96
7) Trichlorofluoromethane	3.068	101	53635	18.692	ug/l	89
8) Diethyl Ether	3.464	74	17348	19.333	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.830	101	39389	20.328	ug/l	97
10) Methyl Iodide	4.019	142	37971	18.285	ug/l	97
11) Tert butyl alcohol	4.872	59	16845	120.509	ug/l #	94
12) 1,1-Dichloroethene	3.805	96	32739	19.290	ug/l	97
13) Acrolein	3.671	56	5104	130.022	ug/l	95
14) Allyl chloride	4.397	41	47019	19.202	ug/l	97
15) Acrylonitrile	5.080	53	37852	99.255	ug/l	98
16) Acetone	3.879	43	25135	95.550	ug/l	98
17) Carbon Disulfide	4.122	76	63512	17.250	ug/l	99
18) Methyl Acetate	4.403	43	17499	19.702	ug/l	100
19) Methyl tert-butyl Ether	5.134	73	89155	18.613	ug/l	98
20) Methylene Chloride	4.635	84	35222	19.388	ug/l	96
21) trans-1,2-Dichloroethene	5.134	96	35668	19.084	ug/l	95
22) Diisopropyl ether	6.031	45	109808	21.052	ug/l	99
23) Vinyl Acetate	5.976	43	286996	99.791	ug/l	99
24) 1,1-Dichloroethane	5.933	63	68015	19.764	ug/l	98
25) 2-Butanone	6.902	43	44998	104.134	ug/l	95
26) 2,2-Dichloropropane	6.896	77	68466	19.162	ug/l	100
27) cis-1,2-Dichloroethene	6.909	96	44140	18.718	ug/l	96
28) Bromochloromethane	7.262	49	15924	17.148	ug/l	89
29) Tetrahydrofuran	7.280	42	27704	100.364	ug/l	96
30) Chloroform	7.433	83	76172	19.409	ug/l	96
31) Cyclohexane	7.713	56	52667	19.566	ug/l	95
32) 1,1,1-Trichloroethane	7.628	97	71478	18.672	ug/l	99
36) 1,1-Dichloropropene	7.847	75	49813	19.456	ug/l	100
37) Ethyl Acetate	6.994	43	21177	20.785	ug/l	97
38) Carbon Tetrachloride	7.829	117	66065	18.537	ug/l	96
39) Methylcyclohexane	9.115	83	61412	19.547	ug/l	98
40) Benzene	8.091	78	153373	19.518	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	11869	20.341	ug/l	98
42) 1,2-Dichloroethane	8.170	62	39976	18.629	ug/l	97
43) Isopropyl Acetate	8.207	43	40944	19.757	ug/l	99
44) Trichloroethene	8.872	130	42558	19.428	ug/l	93
45) 1,2-Dichloropropane	9.152	63	36123	20.278	ug/l	99
46) Dibromomethane	9.237	93	19792	19.348	ug/l	97
47) Bromodichloromethane	9.432	83	55885	19.075	ug/l	99
48) Methyl methacrylate	9.225	41	18136	19.521	ug/l	98
49) 1,4-Dioxane	9.237	88	4305	396.370	ug/l	99
51) 4-Methyl-2-Pentanone	10.006	43	106396	102.766	ug/l	98
52) Toluene	10.176	92	103567	19.903	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	50392	19.339	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	58951	19.480	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	29402	20.119	ug/l	97
56) Ethyl methacrylate	10.444	69	36590	19.825	ug/l	97
57) 1,3-Dichloropropane	10.725	76	47913	20.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	68244	93.206	ug/l	99
59) 2-Hexanone	10.768	43	67325	101.361	ug/l	97
60) Dibromochloromethane	10.920	129	40822	19.260	ug/l	99
61) 1,2-Dibromoethane	11.024	107	25919	19.755	ug/l	100
64) Tetrachloroethene	10.652	164	38268	19.636	ug/l	97
65) Chlorobenzene	11.450	112	116118	19.813	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	43539	19.514	ug/l	98
67) Ethyl Benzene	11.524	91	200662	19.776	ug/l	100
68) m/p-Xylenes	11.633	106	153136	39.199	ug/l	99
69) o-Xylene	11.962	106	72226	19.499	ug/l	99
70) Styrene	11.975	104	122710	19.680	ug/l	99
71) Bromoform	12.139	173	24682	19.460	ug/l #	98
73) Isopropylbenzene	12.261	105	204929	19.500	ug/l	100
74) N-amyl acetate	12.078	43	35024	20.374	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	31736	19.925	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	24137m	20.824	ug/l	
77) Bromobenzene	12.542	156	47224	19.490	ug/l	99
78) n-propylbenzene	12.603	91	238760	20.016	ug/l	99
79) 2-Chlorotoluene	12.688	91	134655	19.603	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	165950	19.485	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	10466	19.039	ug/l	98
82) 4-Chlorotoluene	12.786	91	138259	19.504	ug/l	99
83) tert-Butylbenzene	13.005	119	155123	19.474	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	160495	19.298	ug/l	97
85) sec-Butylbenzene	13.182	105	224187	20.149	ug/l	99
86) p-Isopropyltoluene	13.298	119	189220	19.936	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	92463	19.640	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	90535	19.536	ug/l	98
89) n-Butylbenzene	13.627	91	166069	20.168	ug/l	100
90) Hexachloroethane	13.889	117	36298	19.045	ug/l	98
91) 1,2-Dichlorobenzene	13.669	146	80199	19.483	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	4509	17.508	ug/l	98
93) 1,2,4-Trichlorobenzene	14.931	180	47156	19.906	ug/l	99
94) Hexachlorobutadiene	15.035	225	34810	20.844	ug/l	96
95) Naphthalene	15.151	128	74764	19.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	39572	19.939	ug/l	99

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

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