

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021902.D
 Acq On : 17 Apr 2025 10:06
 Operator : SY/MD
 Sample : VY0417SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0417SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/18/2025
 Supervised By :Semsettin Yesilyurt 04/18/2025

Quant Time: Apr 18 03:54:27 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	7.713	168	210000	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	321589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	285584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	103171	45.344	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.680%		
35) Dibromofluoromethane	7.634	113	102538	49.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.300%		
50) Toluene-d8	10.109	98	391144	49.287	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.580%		
62) 4-Bromofluorobenzene	12.407	95	132540	49.375	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	37743	17.340	ug/l	98
3) Chloromethane	2.068	50	54513	17.811	ug/l	100
4) Vinyl Chloride	2.208	62	60100	17.364	ug/l	98
5) Bromomethane	2.592	94	44621	18.901	ug/l	98
6) Chloroethane	2.732	64	41061	18.129	ug/l	97
7) Trichlorofluoromethane	3.055	101	83547	18.843	ug/l	98
8) Diethyl Ether	3.452	74	22058	18.293	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	46620	19.935	ug/l	99
10) Methyl Iodide	4.007	142	47020	18.328	ug/l	100
11) Tert butyl alcohol	4.878	59	11014	74.527	ug/l #	90
12) 1,1-Dichloroethene	3.787	96	41106	18.662	ug/l	97
13) Acrolein	3.659	56	8941	33.133	ug/l	96
14) Allyl chloride	4.385	41	62939	17.921	ug/l	97
15) Acrylonitrile	5.067	53	42406	84.229	ug/l	97
16) Acetone	3.879	43	37231	79.953	ug/l	95
17) Carbon Disulfide	4.104	76	124701	17.188	ug/l	99
18) Methyl Acetate	4.391	43	21561	18.682	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	94997	17.323	ug/l	99
20) Methylene Chloride	4.616	84	47874	18.580	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	45277	18.669	ug/l	95
22) Diisopropyl ether	6.018	45	139921	18.992	ug/l	95
23) Vinyl Acetate	5.964	43	364693	84.618	ug/l	100
24) 1,1-Dichloroethane	5.915	63	85736	19.462	ug/l	98
25) 2-Butanone	6.896	43	53699	80.737	ug/l	93
26) 2,2-Dichloropropane	6.884	77	77433	19.760	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	51449	18.864	ug/l	99
28) Bromochloromethane	7.244	49	35462	19.087	ug/l	98
29) Tetrahydrofuran	7.262	42	33368	77.952	ug/l	100
30) Chloroform	7.421	83	89160	19.459	ug/l	97
31) Cyclohexane	7.701	56	71812	17.883	ug/l #	95
32) 1,1,1-Trichloroethane	7.622	97	81476	19.674	ug/l	99
36) 1,1-Dichloropropene	7.835	75	63530	19.994	ug/l	99
37) Ethyl Acetate	6.988	43	24127	16.089	ug/l #	94
38) Carbon Tetrachloride	7.823	117	72910	20.034	ug/l	96
39) Methylcyclohexane	9.109	83	70461	18.563	ug/l	95
40) Benzene	8.085	78	189416	19.906	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	13381m	16.802	ug/l	
42) 1,2-Dichloroethane	8.158	62	52440	19.548	ug/l	100
43) Isopropyl Acetate	8.201	43	48375	17.023	ug/l	98
44) Trichloroethene	8.865	130	50225	20.715	ug/l	99
45) 1,2-Dichloropropane	9.140	63	45722	20.299	ug/l	96
46) Dibromomethane	9.231	93	24792	19.098	ug/l	99
47) Bromodichloromethane	9.426	83	66363	19.729	ug/l	97
48) Methyl methacrylate	9.219	41	22671	17.382	ug/l	98
49) 1,4-Dioxane	9.231	88	4703	338.194	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	124478	84.171	ug/l	99
52) Toluene	10.170	92	118985	20.042	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	55452	18.560	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	67528	19.159	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	32500	19.455	ug/l	98
56) Ethyl methacrylate	10.438	69	36742	17.225	ug/l	98
57) 1,3-Dichloropropane	10.719	76	55302	19.168	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	96454	92.692	ug/l	100
59) 2-Hexanone	10.761	43	80667	81.904	ug/l	100
60) Dibromochloromethane	10.914	129	44910	19.690	ug/l	98
61) 1,2-Dibromoethane	11.017	107	29376	18.746	ug/l	97
64) Tetrachloroethene	10.652	164	57338	22.044	ug/l	96
65) Chlorobenzene	11.444	112	131248	20.048	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	46356	19.958	ug/l	98
67) Ethyl Benzene	11.524	91	217964	19.416	ug/l	100
68) m/p-Xylenes	11.627	106	173548	40.372	ug/l	98
69) o-Xylene	11.956	106	80164	20.202	ug/l	97
70) Styrene	11.969	104	132422	20.015	ug/l	98
71) Bromoform	12.133	173	26381	19.911	ug/l #	100
73) Isopropylbenzene	12.255	105	209887	18.804	ug/l	100
74) N-amyl acetate	12.072	43	41324	15.775	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	34065	16.975	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	29859m	20.044	ug/l	
77) Bromobenzene	12.536	156	51425	19.189	ug/l	96
78) n-propylbenzene	12.596	91	259109	19.309	ug/l	100
79) 2-Chlorotoluene	12.682	91	150200	19.271	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	176089	19.303	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	9926	15.353	ug/l	98
82) 4-Chlorotoluene	12.779	91	153795	18.927	ug/l	99
83) tert-Butylbenzene	12.999	119	153203	18.855	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	175850	19.504	ug/l	100
85) sec-Butylbenzene	13.176	105	233374	19.654	ug/l	99
86) p-Isopropyltoluene	13.291	119	192602	19.625	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	102341	19.383	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	103691	19.877	ug/l	99
89) n-Butylbenzene	13.621	91	174047	19.176	ug/l	99
90) Hexachloroethane	13.883	117	42280	19.659	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	89039	19.372	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5288	17.002	ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	46705	18.738	ug/l	96
94) Hexachlorobutadiene	15.029	225	32874	21.118	ug/l	98
95) Naphthalene	15.145	128	70866	17.153	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	40207	18.917	ug/l	100

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

