

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022525\
 Data File : VD080266.D
 Acq On : 25 Feb 2025 14:28
 Operator : RP/MD
 Sample : VD0225SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0225SBS01

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 02:28:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 05:44:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	101571	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.775	114	169247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	163729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	92652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76915	58.214	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.420%			
35) Dibromofluoromethane	7.804	113	69748	58.147	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.300%			
50) Toluene-d8	10.269	98	268387	60.335	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 120.680%			
62) 4-Bromofluorobenzene	12.569	95	85889	60.177	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 120.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.940	85	14831	11.912	ug/l	99
3) Chloromethane	2.158	50	19311	9.127	ug/l	98
4) Vinyl Chloride	2.281	62	26960	10.533	ug/l	97
5) Bromomethane	2.681	94	23162	8.947	ug/l	100
6) Chloroethane	2.834	64	22376	13.125	ug/l	99
7) Trichlorofluoromethane	3.169	101	29671	13.988	ug/l	95
8) Diethyl Ether	3.593	74	8659	14.921	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.958	101	19140	15.588	ug/l	95
10) Methyl Iodide	4.158	142	12245	15.773	ug/l	99
11) Tert butyl alcohol	5.075	59	7787	106.696	ug/l #	85
12) 1,1-Dichloroethene	3.928	96	14833	12.753	ug/l #	80
13) Acrolein	3.805	56	7493	54.451	ug/l	94
14) Allyl chloride	4.558	41	24713	13.787	ug/l	98
15) Acrylonitrile	5.252	53	24044	86.240	ug/l	97
16) Acetone	4.028	43	20468	96.123	ug/l #	84
17) Carbon Disulfide	4.269	76	22472	5.357	ug/l #	92
18) Methyl Acetate	4.563	43	12142	16.900	ug/l	96
19) Methyl tert-butyl Ether	5.310	73	41490	16.202	ug/l	98
20) Methylene Chloride	4.793	84	25362	17.552	ug/l	92
21) trans-1,2-Dichloroethene	5.305	96	15185	11.492	ug/l	87
22) Diisopropyl ether	6.210	45	64722	17.350	ug/l	96
23) Vinyl Acetate	6.157	43	169193	78.560	ug/l	99
24) 1,1-Dichloroethane	6.110	63	40573	16.592	ug/l	98
25) 2-Butanone	7.081	43	30089	91.102	ug/l	99
26) 2,2-Dichloropropane	7.069	77	33965	16.014	ug/l	95
27) cis-1,2-Dichloroethene	7.075	96	22368	14.984	ug/l	99
28) Bromochloromethane	7.416	49	20552	18.417	ug/l	98
29) Tetrahydrofuran	7.446	42	18381	84.970	ug/l	98
30) Chloroform	7.593	83	47363	18.944	ug/l	96
31) Cyclohexane	7.875	56	20111	10.273	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	36565	17.481	ug/l	96
36) 1,1-Dichloropropene	8.010	75	22451	13.068	ug/l	96
37) Ethyl Acetate	7.175	43	14341	17.023	ug/l	98
38) Carbon Tetrachloride	7.993	117	29112	16.223	ug/l	97
39) Methylcyclohexane	9.275	83	19806	10.611	ug/l #	87
40) Benzene	8.251	78	77260	14.347	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	8935	19.268	ug/l	95
42) 1,2-Dichloroethane	8.328	62	26778	17.474	ug/l	98
43) Isopropyl Acetate	8.363	43	27363	18.301	ug/l	99
44) Trichloroethene	9.028	130	18306	14.715	ug/l	93
45) 1,2-Dichloropropane	9.304	63	22981	16.966	ug/l	95
46) Dibromomethane	9.393	93	13219	17.517	ug/l	95
47) Bromodichloromethane	9.581	83	35532	18.671	ug/l #	98
48) Methyl methacrylate	9.381	41	11701	16.911	ug/l	96
49) 1,4-Dioxane	9.387	88	3351	408.181	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	73869	97.705	ug/l	98
52) Toluene	10.334	92	50683	16.090	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	29213	18.007	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	33132	16.789	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	19819	20.212	ug/l #	92
56) Ethyl methacrylate	10.593	69	19312	17.261	ug/l	91
57) 1,3-Dichloropropane	10.881	76	29594	18.247	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	41131	86.132	ug/l	97
59) 2-Hexanone	10.922	43	49749	100.277	ug/l	95
60) Dibromochloromethane	11.075	129	25321	20.950	ug/l	99
61) 1,2-Dibromoethane	11.181	107	15644	17.518	ug/l	100
64) Tetrachloroethene	10.810	164	15562	13.606	ug/l	96
65) Chlorobenzene	11.604	112	60936	16.236	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	25378	19.329	ug/l	98
67) Ethyl Benzene	11.681	91	93013	14.898	ug/l	100
68) m/p-Xylenes	11.792	106	72020	29.715	ug/l	98
69) o-Xylene	12.116	106	32930	14.899	ug/l	97
70) Styrene	12.134	104	64635	16.429	ug/l	97
71) Bromoform	12.298	173	15281	19.744	ug/l #	99
73) Isopropylbenzene	12.422	105	92168	14.707	ug/l	97
74) N-amyl acetate	12.234	43	28171	17.101	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	24724	18.959	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	19731m	21.054	ug/l	
77) Bromobenzene	12.698	156	25196	15.587	ug/l	93
78) n-propylbenzene	12.763	91	120746	15.133	ug/l	100
79) 2-Chlorotoluene	12.845	91	74604	16.458	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	82074	15.660	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	8286	18.079	ug/l	97
82) 4-Chlorotoluene	12.945	91	81106	16.837	ug/l	99
83) tert-Butylbenzene	13.163	119	68498	15.987	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	88109	16.516	ug/l	98
85) sec-Butylbenzene	13.345	105	111775	17.062	ug/l	99
86) p-Isopropyltoluene	13.463	119	91177	16.299	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	56956	17.889	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	59266	18.391	ug/l	98
89) n-Butylbenzene	13.786	91	91096	16.758	ug/l	99
90) Hexachloroethane	14.057	117	23133	18.607	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	51170	18.239	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	4129	19.901	ug/l	90
93) 1,2,4-Trichlorobenzene	15.098	180	31027	17.350	ug/l	98
94) Hexachlorobutadiene	15.204	225	17448	18.015	ug/l	97
95) Naphthalene	15.333	128	53693	19.174	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	27908	17.293	ug/l	99

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

