

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020325\
 Data File : VD080228.D
 Acq On : 03 Feb 2025 16:05
 Operator : RP/MD
 Sample : VD0203SBS01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0203SBS01

Quant Time: Feb 04 06:08:35 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

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/04/2025
 Supervised By :Semsettin Yesilyurt 02/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	116695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	211546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	193335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69078	45.507	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.020%		
35) Dibromofluoromethane	7.805	113	65513	43.696	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.400%		
50) Toluene-d8	10.269	98	291361	52.403	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.800%		
62) 4-Bromofluorobenzene	12.575	95	93022	52.143	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	104.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	34244	27.785	ug/l	94
3) Chloromethane	2.152	50	58446	24.043	ug/l	94
4) Vinyl Chloride	2.287	62	68939	23.442	ug/l	99
5) Bromomethane	2.687	94	44094	21.727	ug/l	97
6) Chloroethane	2.834	64	43618	22.268	ug/l	94
7) Trichlorofluoromethane	3.169	101	52369	21.488	ug/l	98
8) Diethyl Ether	3.599	74	12235	18.351	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.969	101	30853	21.870	ug/l	99
10) Methyl Iodide	4.164	142	26172	25.267	ug/l	99
11) Tert butyl alcohol	5.069	59	7260	86.583	ug/l #	93
12) 1,1-Dichloroethene	3.940	96	27943	20.910	ug/l #	73
13) Acrolein	3.799	56	14071	89.000	ug/l	98
14) Allyl chloride	4.558	41	42107	20.446	ug/l	98
15) Acrylonitrile	5.263	53	30613	95.571	ug/l	98
16) Acetone	4.022	43	23914	97.751	ug/l	94
17) Carbon Disulfide	4.275	76	100336	20.818	ug/l	98
18) Methyl Acetate	4.564	43	15060	18.244	ug/l	95
19) Methyl tert-butyl Ether	5.328	73	54906	18.663	ug/l	94
20) Methylene Chloride	4.799	84	31452	18.945	ug/l	95
21) trans-1,2-Dichloroethene	5.316	96	31556	20.786	ug/l	89
22) Diisopropyl ether	6.222	45	91138	21.265	ug/l	97
23) Vinyl Acetate	6.158	43	245169	99.084	ug/l	99
24) 1,1-Dichloroethane	6.116	63	56398	20.074	ug/l	95
25) 2-Butanone	7.087	43	32977	86.906	ug/l	96
26) 2,2-Dichloropropane	7.075	77	49970	20.506	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	33517	19.542	ug/l	99
28) Bromochloromethane	7.422	49	27492	21.443	ug/l	100
29) Tetrahydrofuran	7.446	42	22232	89.452	ug/l	98
30) Chloroform	7.599	83	57996	20.191	ug/l	99
31) Cyclohexane	7.875	56	44742	19.894	ug/l	92
32) 1,1,1-Trichloroethane	7.793	97	50762	21.123	ug/l	97
36) 1,1-Dichloropropene	8.010	75	40816	19.007	ug/l	99
37) Ethyl Acetate	7.175	43	17097	16.236	ug/l	95
38) Carbon Tetrachloride	7.993	117	43354	19.328	ug/l	87
39) Methylcyclohexane	9.275	83	48737	20.890	ug/l	94
40) Benzene	8.252	78	120691	17.930	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	9818m	16.939	ug/l	
42) 1,2-Dichloroethane	8.328	62	34018	17.760	ug/l	88
43) Isopropyl Acetate	8.363	43	29742	15.915	ug/l	94
44) Trichloroethene	9.028	130	31982	20.567	ug/l	92
45) 1,2-Dichloropropane	9.304	63	34849	20.583	ug/l	90
46) Dibromomethane	9.393	93	18360	19.464	ug/l	97
47) Bromodichloromethane	9.587	83	47372	19.915	ug/l	96
48) Methyl methacrylate	9.381	41	16302	18.850	ug/l	91
49) 1,4-Dioxane	9.393	88	3510	342.059	ug/l #	71
51) 4-Methyl-2-Pentanone	10.157	43	88780	93.947	ug/l	98
52) Toluene	10.334	92	82820	21.035	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	40232	19.840	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	50642	20.531	ug/l	98
55) 1,1,2-Trichloroethane	10.728	97	23062	18.816	ug/l	87
56) Ethyl methacrylate	10.598	69	25661	18.349	ug/l	93
57) 1,3-Dichloropropane	10.881	76	38891	19.185	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	51362	86.051	ug/l	98
59) 2-Hexanone	10.922	43	56921	91.792	ug/l	99
60) Dibromochloromethane	11.075	129	31045	20.550	ug/l	98
61) 1,2-Dibromoethane	11.175	107	20807	18.641	ug/l	99
64) Tetrachloroethene	10.810	164	28243	20.912	ug/l	98
65) Chlorobenzene	11.610	112	88249	19.913	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	29747	19.188	ug/l	95
67) Ethyl Benzene	11.687	91	147761	20.043	ug/l	98
68) m/p-Xylenes	11.793	106	117524	41.064	ug/l	99
69) o-Xylene	12.122	106	51031	19.553	ug/l	97
70) Styrene	12.134	104	92293	19.867	ug/l	99
71) Bromoform	12.298	173	16331	17.869	ug/l #	94
73) Isopropylbenzene	12.422	105	133722	19.362	ug/l	98
74) N-amyl acetate	12.234	43	33726	18.577	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	27374	19.047	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	19407m	18.790	ug/l	
77) Bromobenzene	12.698	156	35098	19.702	ug/l	96
78) n-propylbenzene	12.763	91	175227	19.927	ug/l	99
79) 2-Chlorotoluene	12.851	91	101821	20.382	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	117491	20.341	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	9792	19.387	ug/l	95
82) 4-Chlorotoluene	12.945	91	110051	20.730	ug/l	99
83) tert-Butylbenzene	13.169	119	96774	20.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	118202	20.105	ug/l	99
85) sec-Butylbenzene	13.345	105	151502	20.984	ug/l	100
86) p-Isopropyltoluene	13.463	119	123057	19.961	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	72067	20.539	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	70767	19.926	ug/l	99
89) n-Butylbenzene	13.787	91	116857	19.506	ug/l	100
90) Hexachloroethane	14.051	117	27131	19.802	ug/l	100
91) 1,2-Dichlorobenzene	13.828	146	60070	19.429	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4114	17.992	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	30655	15.554	ug/l	99
94) Hexachlorobutadiene	15.204	225	18193	17.045	ug/l	98
95) Naphthalene	15.334	128	49028	15.982	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	27292	15.345	ug/l	99

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

