

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020823\
 Data File : VD075265.D
 Acq On : 08 Feb 2023 11:45
 Operator : KP/SY
 Sample : VD0208SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0208SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/09/2023
 Supervised By :Mahesh Dadoda 02/09/2023

Quant Time: Feb 09 05:40:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	54709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	91007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	82186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	40645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	31755	49.501	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.000%		
35) Dibromofluoromethane	7.805	113	31842	49.898	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.800%		
50) Toluene-d8	10.269	98	118937	49.146	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.300%		
62) 4-Bromofluorobenzene	12.575	95	39556	49.570	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	11695	24.746	ug/l	91
3) Chloromethane	2.146	50	17517	19.728	ug/l	99
4) Vinyl Chloride	2.281	62	17807	19.564	ug/l	100
5) Bromomethane	2.681	94	11560	19.851	ug/l	99
6) Chloroethane	2.834	64	11821	18.826	ug/l	99
7) Trichlorofluoromethane	3.175	101	23216	20.515	ug/l	98
8) Diethyl Ether	3.593	74	5980	19.657	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.964	101	13944	21.713	ug/l	98
10) Methyl Iodide	4.164	142	13175	18.620	ug/l	95
11) Tert butyl alcohol	5.064	59	4357	107.670	ug/l #	89
12) 1,1-Dichloroethene	3.934	96	12695	20.732	ug/l	93
13) Acrolein	3.799	56	3015	132.778	ug/l	89
14) Allyl chloride	4.564	41	20692	20.311	ug/l	93
15) Acrylonitrile	5.258	53	14052	94.510	ug/l	98
16) Acetone	4.028	43	16151	95.214	ug/l	91
17) Carbon Disulfide	4.269	76	39360	20.835	ug/l	99
18) Methyl Acetate	4.569	43	9267	18.764	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	26887	19.125	ug/l	97
20) Methylene Chloride	4.805	84	19126	23.573	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	14356	20.718	ug/l	95
22) Diisopropyl ether	6.222	45	40565	20.018	ug/l	95
23) Vinyl Acetate	6.158	43	73945m	118.435	ug/l	
24) 1,1-Dichloroethane	6.116	63	25554	20.227	ug/l	95
25) 2-Butanone	7.087	43	19895	94.656	ug/l	99
26) 2,2-Dichloropropane	7.081	77	22469	20.092	ug/l	96
27) cis-1,2-Dichloroethene	7.081	96	15581	20.099	ug/l	98
28) Bromochloromethane	7.434	49	7493	21.510	ug/l #	98
29) Tetrahydrofuran	7.440	42	11279	99.655	ug/l	100
30) Chloroform	7.599	83	26079	20.055	ug/l	88
31) Cyclohexane	7.875	56	23685	20.792	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	23311	20.041	ug/l	96
36) 1,1-Dichloropropene	8.010	75	19898	20.017	ug/l	99
37) Ethyl Acetate	7.175	43	8425	19.433	ug/l	97
38) Carbon Tetrachloride	7.993	117	18556	20.145	ug/l	89
39) Methylcyclohexane	9.275	83	23426	20.359	ug/l	98
40) Benzene	8.252	78	57268	20.498	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	5217	20.172	ug/l #	76
42) 1,2-Dichloroethane	8.328	62	16270	20.114	ug/l	98
43) Isopropyl Acetate	8.363	43	15638	18.877	ug/l #	84
44) Trichloroethene	9.028	130	15777	20.486	ug/l	100
45) 1,2-Dichloropropane	9.304	63	14669	20.674	ug/l	89
46) Dibromomethane	9.393	93	7886	20.056	ug/l	94
47) Bromodichloromethane	9.587	83	19628	20.057	ug/l #	97
48) Methyl methacrylate	9.381	41	7901	20.083	ug/l	90
49) 1,4-Dioxane	9.381	88	1177	326.448	ug/l	95
51) 4-Methyl-2-Pentanone	10.163	43	40055	95.642	ug/l	95
52) Toluene	10.334	92	36091	20.509	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	16083	18.973	ug/l	97
54) cis-1,3-Dichloropropene	10.022	75	20032	19.766	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	10360	20.640	ug/l	90
56) Ethyl methacrylate	10.599	69	11245	19.271	ug/l	96
57) 1,3-Dichloropropane	10.881	76	16976	19.853	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	15151	100.048	ug/l	99
59) 2-Hexanone	10.922	43	28658	93.662	ug/l	97
60) Dibromochloromethane	11.075	129	12374	19.898	ug/l	94
61) 1,2-Dibromoethane	11.187	107	9404	19.430	ug/l	99
64) Tetrachloroethene	10.810	164	12890	20.364	ug/l	97
65) Chlorobenzene	11.610	112	37944	20.472	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	13326	19.748	ug/l	99
67) Ethyl Benzene	11.687	91	67564	19.745	ug/l	99
68) m/p-Xylenes	11.793	106	52607	40.417	ug/l	98
69) o-Xylene	12.122	106	23898	19.656	ug/l	94
70) Styrene	12.134	104	42319	20.548	ug/l	98
71) Bromoform	12.298	173	7288	20.107	ug/l #	93
73) Isopropylbenzene	12.422	105	64359	19.546	ug/l	100
74) N-amyl acetate	12.234	43	13847	18.714	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	11528	20.124	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	8732m	18.914	ug/l	
77) Bromobenzene	12.704	156	14522	19.477	ug/l	91
78) n-propylbenzene	12.763	91	82784	20.205	ug/l	99
79) 2-Chlorotoluene	12.851	91	44873	19.967	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	55594	20.278	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	2499	18.929	ug/l	98
82) 4-Chlorotoluene	12.951	91	48333	20.617	ug/l	97
83) tert-Butylbenzene	13.169	119	47427	20.066	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	56035	20.463	ug/l	96
85) sec-Butylbenzene	13.345	105	74965	20.675	ug/l	97
86) p-Isopropyltoluene	13.463	119	60607	20.433	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	31139	20.662	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	30960	20.531	ug/l	99
89) n-Butylbenzene	13.792	91	57864	19.982	ug/l	99
90) Hexachloroethane	14.057	117	11398	19.492	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	26720	20.434	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1640	18.457	ug/l	98
93) 1,2,4-Trichlorobenzene	15.098	180	16045	19.592	ug/l	95
94) Hexachlorobutadiene	15.210	225	8944	20.700	ug/l	97
95) Naphthalene	15.334	128	29994	19.677	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	14029	19.854	ug/l	99

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

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