

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020823\
 Data File : VD075266.D
 Acq On : 08 Feb 2023 12:13
 Operator : KP/SY
 Sample : VD0208SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 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 05:40:46 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	7.875	168	53565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	88914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	81125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	39883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	30384	48.375	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.740%		
35) Dibromofluoromethane	7.805	113	31775	50.965	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.940%		
50) Toluene-d8	10.269	98	115717	48.941	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.880%		
62) 4-Bromofluorobenzene	12.575	95	37717	48.378	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	11599	25.117	ug/l	93
3) Chloromethane	2.146	50	17570	20.364	ug/l	100
4) Vinyl Chloride	2.281	62	17924	20.114	ug/l	98
5) Bromomethane	2.681	94	11568	20.289	ug/l	94
6) Chloroethane	2.834	64	12424	20.209	ug/l	96
7) Trichlorofluoromethane	3.169	101	22305	20.131	ug/l	97
8) Diethyl Ether	3.593	74	6059	20.342	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.969	101	13609	21.644	ug/l	97
10) Methyl Iodide	4.169	142	13818	19.763	ug/l	94
11) Tert butyl alcohol	5.058	59	4290m	108.335	ug/l	
12) 1,1-Dichloroethene	3.940	96	12086	20.159	ug/l #	88
13) Acrolein	3.805	56	3200	148.114	ug/l	98
14) Allyl chloride	4.569	41	19604	19.654	ug/l	93
15) Acrylonitrile	5.258	53	14127	97.275	ug/l	100
16) Acetone	4.022	43	15623	94.069	ug/l	95
17) Carbon Disulfide	4.269	76	38211	20.659	ug/l	98
18) Methyl Acetate	4.564	43	9601	20.032	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	27087	19.679	ug/l	95
20) Methylene Chloride	4.805	84	19265	24.449	ug/l	93
21) trans-1,2-Dichloroethene	5.316	96	14045	20.702	ug/l	97
22) Diisopropyl ether	6.216	45	39132	19.723	ug/l	97
23) Vinyl Acetate	6.158	43	70134m	115.250	ug/l	
24) 1,1-Dichloroethane	6.110	63	25741	20.810	ug/l	96
25) 2-Butanone	7.081	43	19619	95.336	ug/l	98
26) 2,2-Dichloropropane	7.081	77	21589	19.718	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	15208	20.037	ug/l	98
28) Bromochloromethane	7.422	49	7845	23.300	ug/l #	89
29) Tetrahydrofuran	7.452	42	11402	102.894	ug/l	95
30) Chloroform	7.605	83	25204	19.796	ug/l	96
31) Cyclohexane	7.875	56	22569	20.236	ug/l	98
32) 1,1,1-Trichloroethane	7.793	97	23564	20.691	ug/l	98
36) 1,1-Dichloropropene	8.010	75	19094	19.660	ug/l	98
37) Ethyl Acetate	7.169	43	8415	19.867	ug/l #	96
38) Carbon Tetrachloride	7.987	117	17199	19.111	ug/l	95
39) Methylcyclohexane	9.275	83	22726	20.216	ug/l	97
40) Benzene	8.252	78	55847	20.460	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	5202	20.587	ug/l #	83
42) 1,2-Dichloroethane	8.328	62	15688	19.852	ug/l	100
43) Isopropyl Acetate	8.363	43	15941	19.696	ug/l	96
44) Trichloroethene	9.028	130	14721	19.565	ug/l	96
45) 1,2-Dichloropropane	9.310	63	13830	19.950	ug/l	99
46) Dibromomethane	9.393	93	7543	19.635	ug/l	96
47) Bromodichloromethane	9.581	83	19454	20.347	ug/l	92
48) Methyl methacrylate	9.381	41	7884	20.512	ug/l	87
49) 1,4-Dioxane	9.387	88	1351	380.331	ug/l #	74
51) 4-Methyl-2-Pentanone	10.157	43	40161	98.152	ug/l	94
52) Toluene	10.334	92	35820	20.834	ug/l	100
53) t-1,3-Dichloropropene	10.557	75	15302	18.477	ug/l	94
54) cis-1,3-Dichloropropene	10.022	75	19281	19.473	ug/l	94
55) 1,1,2-Trichloroethane	10.740	97	10182	20.763	ug/l	95
56) Ethyl methacrylate	10.598	69	10482	18.386	ug/l	92
57) 1,3-Dichloropropane	10.881	76	16814	20.127	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	14128	96.283	ug/l	97
59) 2-Hexanone	10.922	43	28812	96.382	ug/l	96
60) Dibromochloromethane	11.075	129	12461	20.509	ug/l	96
61) 1,2-Dibromoethane	11.181	107	9504	20.099	ug/l	97
64) Tetrachloroethene	10.810	164	12372	19.801	ug/l	92
65) Chlorobenzene	11.610	112	37264	20.368	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	13160	19.757	ug/l	98
67) Ethyl Benzene	11.687	91	66629	19.727	ug/l	97
68) m/p-Xylenes	11.793	106	52044	40.507	ug/l	100
69) o-Xylene	12.122	106	24168	20.138	ug/l	100
70) Styrene	12.134	104	41830	20.576	ug/l	99
71) Bromoform	12.298	173	7396	20.672	ug/l #	92
73) Isopropylbenzene	12.422	105	65121	20.155	ug/l	100
74) N-amyl acetate	12.234	43	14141	19.477	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.681	83	11599	20.634	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	10310m	22.759	ug/l	
77) Bromobenzene	12.704	156	14444	19.742	ug/l	94
78) n-propylbenzene	12.763	91	81063	20.163	ug/l	98
79) 2-Chlorotoluene	12.851	91	45650	20.701	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	54994	20.442	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	2537	19.511	ug/l	95
82) 4-Chlorotoluene	12.951	91	46846	20.365	ug/l	99
83) tert-Butylbenzene	13.169	119	46558	20.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	53350	19.855	ug/l	100
85) sec-Butylbenzene	13.345	105	70807	19.901	ug/l	99
86) p-Isopropyltoluene	13.463	119	58612	20.138	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	30350	20.524	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	29966	20.251	ug/l	99
89) n-Butylbenzene	13.792	91	57730	20.317	ug/l	98
90) Hexachloroethane	14.051	117	11188	19.498	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	25500	19.874	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1667	19.120	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	15857	19.732	ug/l	98
94) Hexachlorobutadiene	15.204	225	8377	19.758	ug/l	96
95) Naphthalene	15.334	128	29347	19.621	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	13536	19.522	ug/l	97

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

