

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
 Data File : VD074610.D
 Acq On : 21 Oct 2022 12:41
 Operator : VA/SY
 Sample : VD1021SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/24/2022
 Supervised By :Mahesh Dadoda 10/24/2022

Quant Time: Oct 21 23:09:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	86933	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	143053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	116411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	56187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	29540	44.507	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.020%		
35) Dibromofluoromethane	7.805	113	37580	47.357	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.720%		
50) Toluene-d8	10.269	98	128529	44.889	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.780%		
62) 4-Bromofluorobenzene	12.569	95	38389	46.469	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.940%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	13181	19.534	ug/l	88
3) Chloromethane	2.146	50	19342	21.174	ug/l	96
4) Vinyl Chloride	2.281	62	19489	19.293	ug/l	99
5) Bromomethane	2.681	94	15528	20.299	ug/l	100
6) Chloroethane	2.834	64	14321	20.620	ug/l	100
7) Trichlorofluoromethane	3.170	101	30427	21.250	ug/l	100
8) Diethyl Ether	3.587	74	8022	19.346	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.964	101	18453	19.984	ug/l	99
10) Methyl Iodide	4.164	142	17377	17.255	ug/l	96
11) Tert butyl alcohol	5.040	59	8389m	61.491	ug/l	
12) 1,1-Dichloroethene	3.934	96	18486	20.016	ug/l	95
13) Acrolein	3.799	56	7440	104.663	ug/l	98
14) Allyl chloride	4.564	41	19134	19.184	ug/l	97
15) Acrylonitrile	5.252	53	16905	99.751	ug/l	97
16) Acetone	4.017	43	13840	95.491	ug/l	95
17) Carbon Disulfide	4.270	76	45969	18.190	ug/l	99
18) Methyl Acetate	4.570	43	9220	21.925	ug/l	99
19) Methyl tert-butyl Ether	5.311	73	36368	20.152	ug/l	94
20) Methylene Chloride	4.805	84	25787	16.368	ug/l #	91
21) trans-1,2-Dichloroethene	5.311	96	20688	20.094	ug/l	93
22) Diisopropyl ether	6.211	45	40862	20.303	ug/l	95
23) Vinyl Acetate	6.158	43	79584m	90.426	ug/l	
24) 1,1-Dichloroethane	6.111	63	30913	19.790	ug/l	99
25) 2-Butanone	7.081	43	18069	93.231	ug/l	95
26) 2,2-Dichloropropane	7.081	77	28537	19.114	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	22930	20.080	ug/l	98
28) Bromochloromethane	7.428	49	5994	16.595	ug/l #	100
29) Tetrahydrofuran	7.452	42	10550	99.805	ug/l	99
30) Chloroform	7.593	83	34839	20.728	ug/l	99
31) Cyclohexane	7.881	56	24928	18.697	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	31924	20.712	ug/l	98
36) 1,1-Dichloropropene	8.011	75	25073	19.510	ug/l	98
37) Ethyl Acetate	7.164	43	7726	19.055	ug/l	98
38) Carbon Tetrachloride	7.993	117	24962	19.836	ug/l	94
39) Methylcyclohexane	9.275	83	30273	19.716	ug/l	96
40) Benzene	8.252	78	76545	20.070	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.411	41	4167	19.075	ug/l #	92
42) 1,2-Dichloroethane	8.328	62	17742	20.158	ug/l	100
43) Isopropyl Acetate	8.358	43	15043	19.963	ug/l	99
44) Trichloroethene	9.028	130	22997	20.582	ug/l	95
45) 1,2-Dichloropropane	9.305	63	17321	20.694	ug/l	95
46) Dibromomethane	9.399	93	9478	19.623	ug/l	95
47) Bromodichloromethane	9.587	83	25849	21.631	ug/l	94
48) Methyl methacrylate	9.375	41	7043	20.452	ug/l	97
49) 1,4-Dioxane	9.381	88	2181	458.809	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	37201	99.255	ug/l	99
52) Toluene	10.334	92	46162	19.626	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	19377	18.442	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	27109	20.463	ug/l	98
55) 1,1,2-Trichloroethane	10.734	97	12739	19.197	ug/l	94
56) Ethyl methacrylate	10.599	69	13501	18.612	ug/l	95
57) 1,3-Dichloropropane	10.881	76	20621	19.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	9836	81.595	ug/l	99
59) 2-Hexanone	10.916	43	24395	95.360	ug/l	98
60) Dibromochloromethane	11.075	129	15738	19.676	ug/l	97
61) 1,2-Dibromoethane	11.181	107	11648	19.229	ug/l	97
64) Tetrachloroethene	10.810	164	16618	19.313	ug/l	100
65) Chlorobenzene	11.610	112	50688	20.672	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	17455	20.719	ug/l	97
67) Ethyl Benzene	11.687	91	87275	20.440	ug/l	98
68) m/p-Xylenes	11.793	106	69419	40.889	ug/l	97
69) o-Xylene	12.122	106	33250	21.044	ug/l	93
70) Styrene	12.134	104	56663	21.294	ug/l	98
71) Bromoform	12.299	173	9149	20.685	ug/l #	95
73) Isopropylbenzene	12.422	105	87386	19.942	ug/l	98
74) N-amyl acetate	12.234	43	12457	19.233	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.675	83	14215	20.492	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	10491m	21.384	ug/l	
77) Bromobenzene	12.698	156	19852	20.073	ug/l	98
78) n-propylbenzene	12.763	91	107246	20.709	ug/l	99
79) 2-Chlorotoluene	12.846	91	55529	19.793	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	74093	20.830	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.463	75	3644	18.981	ug/l	94
82) 4-Chlorotoluene	12.946	91	58236	20.204	ug/l	98
83) tert-Butylbenzene	13.163	119	64406	20.297	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	73185	20.908	ug/l	97
85) sec-Butylbenzene	13.340	105	97525	20.480	ug/l	99
86) p-Isopropyltoluene	13.457	119	82201	20.606	ug/l	100
87) 1,3-Dichlorobenzene	13.457	146	41039	19.969	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	40922	20.340	ug/l	99
89) n-Butylbenzene	13.787	91	74113	20.392	ug/l	97
90) Hexachloroethane	14.057	117	14188	20.433	ug/l	98
91) 1,2-Dichlorobenzene	13.828	146	35802	20.884	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1705	17.772	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	22569	19.957	ug/l	99
94) Hexachlorobutadiene	15.204	225	12531	20.141	ug/l	98
95) Naphthalene	15.328	128	40491	19.020	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	19544	20.160	ug/l	99

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

