

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075696.D
 Acq On : 17 Apr 2023 12:39
 Operator : KP/SY
 Sample : VD0417SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2023
 Supervised By : Mahesh Dadoda 04/18/2023

Quant Time: Apr 18 01:17:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	200530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	341738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	355566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	153454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	84420	44.352	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.700%		
35) Dibromofluoromethane	7.811	113	106572	46.365	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.740%		
50) Toluene-d8	10.269	98	424127	46.077	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.160%		
62) 4-Bromofluorobenzene	12.575	95	112904	46.148	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.929	85	43473	23.332	ug/l	94
3) Chloromethane	2.146	50	67039	19.926	ug/l	96
4) Vinyl Chloride	2.281	62	92104	20.630	ug/l	100
5) Bromomethane	2.681	94	69397	19.908	ug/l	98
6) Chloroethane	2.834	64	61244	20.375	ug/l	99
7) Trichlorofluoromethane	3.175	101	79802	23.069	ug/l	97
8) Diethyl Ether	3.599	74	20781	19.302	ug/l	70
9) 1,1,2-Trichlorotrifluo...	3.970	101	49807	22.961	ug/l	95
10) Methyl Iodide	4.164	142	56627	19.074	ug/l	91
11) Tert butyl alcohol	5.046	59	8518	89.169	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	49381	21.986	ug/l	84
13) Acrolein	3.793	56	18969	98.445	ug/l	98
14) Allyl chloride	4.558	41	40989	20.038	ug/l #	80
15) Acrylonitrile	5.258	53	40001	99.473	ug/l	99
16) Acetone	4.023	43	33241	95.327	ug/l #	84
17) Carbon Disulfide	4.270	76	155104	21.102	ug/l	98
18) Methyl Acetate	4.564	43	25320	21.532	ug/l #	75
19) Methyl tert-butyl Ether	5.317	73	82491	18.924	ug/l	92
20) Methylene Chloride	4.799	84	71025	23.926	ug/l #	72
21) trans-1,2-Dichloroethene	5.311	96	54816	20.492	ug/l #	76
22) Diisopropyl ether	6.211	45	94031	20.343	ug/l #	91
23) Vinyl Acetate	6.158	43	215180	100.227	ug/l #	83
24) 1,1-Dichloroethane	6.111	63	79581	20.778	ug/l #	97
25) 2-Butanone	7.081	43	44514	99.146	ug/l #	76
26) 2,2-Dichloropropane	7.075	77	67454	19.426	ug/l	91
27) cis-1,2-Dichloroethene	7.075	96	58206	19.643	ug/l	80
28) Bromochloromethane	7.422	49	24683	20.387	ug/l #	45
29) Tetrahydrofuran	7.452	42	25774	104.974	ug/l #	57
30) Chloroform	7.593	83	88575	20.399	ug/l	98
31) Cyclohexane	7.875	56	64506	21.596	ug/l #	71
32) 1,1,1-Trichloroethane	7.793	97	76828	21.700	ug/l	95
36) 1,1-Dichloropropene	8.005	75	66807	21.068	ug/l	94
37) Ethyl Acetate	7.169	43	18515	19.186	ug/l #	81
38) Carbon Tetrachloride	7.993	117	63069	22.586	ug/l	93
39) Methylcyclohexane	9.275	83	82230	22.426	ug/l	92
40) Benzene	8.252	78	201083	20.399	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	9031	19.502	ug/l #	31
42) 1,2-Dichloroethane	8.328	62	46057	20.570	ug/l	92
43) Isopropyl Acetate	8.363	43	34848	19.803	ug/l #	79
44) Trichloroethene	9.028	130	59147	21.201	ug/l	88
45) 1,2-Dichloropropane	9.305	63	46083	20.861	ug/l	90
46) Dibromomethane	9.399	93	28715	20.490	ug/l	96
47) Bromodichloromethane	9.587	83	66256	20.668	ug/l	98
48) Methyl methacrylate	9.381	41	16190	20.651	ug/l #	61
49) 1,4-Dioxane	9.381	88	5338	383.914	ug/l #	77
51) 4-Methyl-2-Pentanone	10.157	43	92245	98.317	ug/l #	78
52) Toluene	10.334	92	132186	20.166	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	58919	19.173	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	71556	19.598	ug/l #	78
55) 1,1,2-Trichloroethane	10.734	97	44261	21.813	ug/l #	85
56) Ethyl methacrylate	10.599	69	37704	18.881	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	66669	21.642	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	87543	102.078	ug/l #	84
59) 2-Hexanone	10.922	43	73592	111.555	ug/l	76
60) Dibromochloromethane	11.075	129	52061	21.926	ug/l	99
61) 1,2-Dibromoethane	11.181	107	41804	21.597	ug/l	98
64) Tetrachloroethene	10.810	164	58678	22.914	ug/l	90
65) Chlorobenzene	11.610	112	167939	22.051	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.687	131	57135	21.822	ug/l	96
67) Ethyl Benzene	11.687	91	265131	21.451	ug/l	94
68) m/p-Xylenes	11.799	106	215501	42.544	ug/l	89
69) o-Xylene	12.122	106	96472	21.063	ug/l	91
70) Styrene	12.140	104	165812	19.992	ug/l	93
71) Bromoform	12.304	173	26282	19.203	ug/l #	98
73) Isopropylbenzene	12.422	105	217005	21.547	ug/l	99
74) N-amyl acetate	12.240	43	30916	20.890	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.675	83	42292	21.617	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	32334m	25.838	ug/l	
77) Bromobenzene	12.704	156	52288	20.139	ug/l	92
78) n-propylbenzene	12.763	91	271026	21.954	ug/l	98
79) 2-Chlorotoluene	12.851	91	145251	20.745	ug/l	92
80) 1,3,5-Trimethylbenzene	12.910	105	181235	21.586	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	12501	21.651	ug/l #	68
82) 4-Chlorotoluene	12.951	91	153225	21.046	ug/l	94
83) tert-Butylbenzene	13.169	119	150688	21.286	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	180875	21.470	ug/l	95
85) sec-Butylbenzene	13.351	105	241504	22.113	ug/l	98
86) p-Isopropyltoluene	13.463	119	195429	21.495	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	110928	20.537	ug/l	97
88) 1,4-Dichlorobenzene	13.540	146	110869	20.776	ug/l	98
89) n-Butylbenzene	13.793	91	180291	21.528	ug/l	99
90) Hexachloroethane	14.057	117	39237	21.721	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	94985	20.528	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5195	19.808	ug/l	78
93) 1,2,4-Trichlorobenzene	15.104	180	50116	18.617	ug/l	97
94) Hexachlorobutadiene	15.204	225	25139	19.539	ug/l	95
95) Naphthalene	15.334	128	94827	18.594	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	44731	18.879	ug/l	97

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

