

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075697.D
 Acq On : 17 Apr 2023 13:08
 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 01:17:23 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	7.881	168	214396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	370860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	339730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	167273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	90482	44.462	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.920%		
35) Dibromofluoromethane	7.810	113	114098	45.742	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.480%		
50) Toluene-d8	10.269	98	453418	45.392	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.780%		
62) 4-Bromofluorobenzene	12.575	95	123465	46.502	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	43442	21.807	ug/l	96
3) Chloromethane	2.152	50	66431	18.468	ug/l	97
4) Vinyl Chloride	2.281	62	91843	19.241	ug/l	100
5) Bromomethane	2.681	94	69214	18.572	ug/l	95
6) Chloroethane	2.834	64	59874	18.631	ug/l	100
7) Trichlorofluoromethane	3.169	101	77598	20.981	ug/l	94
8) Diethyl Ether	3.593	74	20889	18.147	ug/l	68
9) 1,1,2-Trichlorotrifluo...	3.964	101	50420	21.740	ug/l	94
10) Methyl Iodide	4.164	142	61481	19.370	ug/l	90
11) Tert butyl alcohol	5.052	59	9426	92.292	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	48666	20.266	ug/l	88
13) Acrolein	3.799	56	18907	91.777	ug/l	95
14) Allyl chloride	4.558	41	41848	19.135	ug/l #	79
15) Acrylonitrile	5.258	53	41161	95.738	ug/l	96
16) Acetone	4.022	43	32100	86.101	ug/l #	73
17) Carbon Disulfide	4.269	76	153453	19.527	ug/l	98
18) Methyl Acetate	4.563	43	25246	20.081	ug/l #	68
19) Methyl tert-butyl Ether	5.316	73	86577	18.577	ug/l	99
20) Methylene Chloride	4.799	84	75447	23.739	ug/l #	73
21) trans-1,2-Dichloroethene	5.311	96	55170	19.290	ug/l #	75
22) Diisopropyl ether	6.216	45	95524	19.330	ug/l #	89
23) Vinyl Acetate	6.158	43	219785	95.751	ug/l #	86
24) 1,1-Dichloroethane	6.116	63	79887	19.509	ug/l	100
25) 2-Butanone	7.087	43	42551	88.644	ug/l #	78
26) 2,2-Dichloropropane	7.081	77	68929	18.567	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	58345	18.416	ug/l	80
28) Bromochloromethane	7.422	49	24942	19.269	ug/l #	46
29) Tetrahydrofuran	7.452	42	24488	93.286	ug/l #	56
30) Chloroform	7.599	83	89167	19.208	ug/l	97
31) Cyclohexane	7.875	56	66129	20.708	ug/l #	71
32) 1,1,1-Trichloroethane	7.799	97	75042	19.825	ug/l	96
36) 1,1-Dichloropropene	8.010	75	68154	19.805	ug/l	94
37) Ethyl Acetate	7.169	43	19319	18.447	ug/l #	81
38) Carbon Tetrachloride	7.993	117	61324	20.236	ug/l	98
39) Methylcyclohexane	9.275	83	80616	20.259	ug/l	94
40) Benzene	8.252	78	205169	19.179	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	10914	21.717	ug/l #	75
42) 1,2-Dichloroethane	8.328	62	46505	19.139	ug/l	91
43) Isopropyl Acetate	8.363	43	35454	18.566	ug/l #	80
44) Trichloroethene	9.028	130	57601	19.025	ug/l	91
45) 1,2-Dichloropropane	9.304	63	46390	19.351	ug/l	96
46) Dibromomethane	9.399	93	29342	19.293	ug/l	98
47) Bromodichloromethane	9.587	83	66172	19.021	ug/l	98
48) Methyl methacrylate	9.387	41	17001	19.982	ug/l #	62
49) 1,4-Dioxane	9.393	88	5534	366.757	ug/l #	71
51) 4-Methyl-2-Pentanone	10.163	43	92958	91.297	ug/l #	80
52) Toluene	10.334	92	132991	18.696	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	59911	17.965	ug/l	90
54) cis-1,3-Dichloropropene	10.022	75	72527	18.304	ug/l #	75
55) 1,1,2-Trichloroethane	10.740	97	40907	18.577	ug/l	91
56) Ethyl methacrylate	10.598	69	36825	16.993	ug/l #	68
57) 1,3-Dichloropropane	10.881	76	62275	18.628	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.875	63	87040	93.522	ug/l #	86
59) 2-Hexanone	10.928	43	64853	90.588	ug/l	75
60) Dibromochloromethane	11.075	129	46443	18.024	ug/l	100
61) 1,2-Dibromoethane	11.181	107	39007	18.569	ug/l	99
64) Tetrachloroethene	10.810	164	47429	19.385	ug/l	97
65) Chlorobenzene	11.610	112	142945	19.644	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	47011	18.793	ug/l	93
67) Ethyl Benzene	11.687	91	230098	19.484	ug/l	95
68) m/p-Xylenes	11.793	106	192190	39.711	ug/l	92
69) o-Xylene	12.122	106	88047	20.119	ug/l	88
70) Styrene	12.140	104	149818	18.931	ug/l	93
71) Bromoform	12.298	173	25852	19.769	ug/l #	96
73) Isopropylbenzene	12.422	105	215434	19.624	ug/l	97
74) N-amyl acetate	12.234	43	31459	19.501	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.675	83	41377	19.402	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	25791m	18.907	ug/l	
77) Bromobenzene	12.704	156	55264	19.526	ug/l	90
78) n-propylbenzene	12.769	91	279272	20.753	ug/l	97
79) 2-Chlorotoluene	12.851	91	148374	19.440	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	185573	20.277	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	11980	19.035	ug/l #	74
82) 4-Chlorotoluene	12.951	91	155969	19.653	ug/l	91
83) tert-Butylbenzene	13.169	119	150900	19.555	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	185264	20.174	ug/l	95
85) sec-Butylbenzene	13.345	105	242786	20.394	ug/l	99
86) p-Isopropyltoluene	13.463	119	199919	20.172	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	112628	19.129	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	114768	19.730	ug/l	98
89) n-Butylbenzene	13.792	91	180561	19.779	ug/l	99
90) Hexachloroethane	14.057	117	38416	19.509	ug/l	98
91) 1,2-Dichlorobenzene	13.834	146	98953	19.619	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5574	19.498	ug/l	78
93) 1,2,4-Trichlorobenzene	15.104	180	51688	17.615	ug/l	98
94) Hexachlorobutadiene	15.210	225	27183	19.382	ug/l	95
95) Naphthalene	15.339	128	98311	17.685	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	47173	18.265	ug/l	98

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

