

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041923\
 Data File : VD075742.D
 Acq On : 19 Apr 2023 11:57
 Operator : KP/SY
 Sample : VD0419SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

Quant Time: Apr 20 05:59:34 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

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/20/2023
 Supervised By :Mahesh Dadoda 04/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	198522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	342370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	316302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	159164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	96443	51.181	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.360%			
35) Dibromofluoromethane	7.804	113	118435	51.431	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.860%			
50) Toluene-d8	10.269	98	482506	52.323	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.640%			
62) 4-Bromofluorobenzene	12.575	95	134394	54.830	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	40606	22.013	ug/l	98
3) Chloromethane	2.152	50	63109	18.947	ug/l	97
4) Vinyl Chloride	2.287	62	85280	19.295	ug/l	97
5) Bromomethane	2.681	94	64062	18.564	ug/l	96
6) Chloroethane	2.834	64	56958	19.140	ug/l	94
7) Trichlorofluoromethane	3.175	101	73509	21.465	ug/l	100
8) Diethyl Ether	3.593	74	20907	19.615	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.963	101	47605	22.167	ug/l	94
10) Methyl Iodide	4.163	142	57961	19.721	ug/l	93
11) Tert butyl alcohol	5.057	59	7710	81.527	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	46612	20.963	ug/l	87
13) Acrolein	3.799	56	15895	83.326	ug/l	92
14) Allyl chloride	4.563	41	41005	20.249	ug/l #	80
15) Acrylonitrile	5.257	53	40024	100.537	ug/l	96
16) Acetone	4.022	43	33312	96.497	ug/l #	86
17) Carbon Disulfide	4.275	76	146127	20.082	ug/l	97
18) Methyl Acetate	4.557	43	24278	20.855	ug/l #	76
19) Methyl tert-butyl Ether	5.316	73	81298	18.839	ug/l	100
20) Methylene Chloride	4.805	84	68567	23.205	ug/l #	75
21) trans-1,2-Dichloroethene	5.310	96	53217	20.095	ug/l #	83
22) Diisopropyl ether	6.216	45	96279	21.040	ug/l #	91
23) Vinyl Acetate	6.157	43	212804	100.122	ug/l #	83
24) 1,1-Dichloroethane	6.116	63	79807	21.048	ug/l	95
25) 2-Butanone	7.081	43	42121	94.765	ug/l #	76
26) 2,2-Dichloropropane	7.075	77	68346	19.882	ug/l	93
27) cis-1,2-Dichloroethene	7.081	96	58642	19.990	ug/l	80
28) Bromochloromethane	7.422	49	24637	20.555	ug/l #	48
29) Tetrahydrofuran	7.451	42	24051	98.948	ug/l #	59
30) Chloroform	7.598	83	88343	20.552	ug/l	95
31) Cyclohexane	7.881	56	59902	20.258	ug/l #	66
32) 1,1,1-Trichloroethane	7.793	97	73950	21.098	ug/l	94
36) 1,1-Dichloropropene	8.010	75	65808	20.715	ug/l	93
37) Ethyl Acetate	7.169	43	17161	17.750	ug/l #	78
38) Carbon Tetrachloride	7.998	117	59096	21.124	ug/l #	94
39) Methylcyclohexane	9.275	83	75609	20.582	ug/l	91
40) Benzene	8.251	78	203664	20.622	ug/l	99

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41) Methacrylonitrile	7.410	41	9350	20.153	ug/l #	58
42) 1,2-Dichloroethane	8.328	62	47154	21.021	ug/l	93
43) Isopropyl Acetate	8.363	43	32522	18.447	ug/l #	74
44) Trichloroethene	9.028	130	56682	20.280	ug/l	93
45) 1,2-Dichloropropane	9.304	63	45778	20.685	ug/l	97
46) Dibromomethane	9.393	93	27781	19.787	ug/l	93
47) Bromodichloromethane	9.587	83	65995	20.549	ug/l	97
48) Methyl methacrylate	9.381	41	15827	20.150	ug/l #	63
49) 1,4-Dioxane	9.387	88	5348	383.924	ug/l #	75
51) 4-Methyl-2-Pentanone	10.163	43	88928	94.607	ug/l #	79
52) Toluene	10.334	92	133759	20.368	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	57640	18.722	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	70131	19.172	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	39839	19.597	ug/l	95
56) Ethyl methacrylate	10.598	69	35508	17.749	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	60924	19.741	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	83701	97.418	ug/l #	86
59) 2-Hexanone	10.922	43	63126	95.513	ug/l	76
60) Dibromochloromethane	11.075	129	45422	19.095	ug/l	99
61) 1,2-Dibromoethane	11.181	107	36900	19.028	ug/l	97
64) Tetrachloroethene	10.810	164	45755	20.086	ug/l	94
65) Chlorobenzene	11.610	112	142606	21.049	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	48089	20.647	ug/l	93
67) Ethyl Benzene	11.687	91	231833	21.085	ug/l	96
68) m/p-Xylenes	11.792	106	196511	43.611	ug/l	89
69) o-Xylene	12.122	106	84159	20.655	ug/l	92
70) Styrene	12.139	104	149672	20.280	ug/l	93
71) Bromoform	12.298	173	26156	21.483	ug/l #	100
73) Isopropylbenzene	12.422	105	216201	20.697	ug/l	98
74) N-amyl acetate	12.239	43	30222	19.689	ug/l #	72
75) 1,1,2,2-Tetrachloroethane	12.675	83	41366	20.386	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	24485m	18.864	ug/l	
77) Bromobenzene	12.704	156	54841	20.364	ug/l	90
78) n-propylbenzene	12.763	91	273526	21.362	ug/l	98
79) 2-Chlorotoluene	12.851	91	148683	20.473	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	186607	21.429	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	11718	19.567	ug/l #	74
82) 4-Chlorotoluene	12.951	91	159008	21.057	ug/l	93
83) tert-Butylbenzene	13.169	119	151459	20.627	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	183017	20.945	ug/l	94
85) sec-Butylbenzene	13.345	105	242460	21.404	ug/l	99
86) p-Isopropyltoluene	13.463	119	199039	21.107	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	116732	20.836	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	113307	20.472	ug/l	98
89) n-Butylbenzene	13.792	91	180722	20.805	ug/l	98
90) Hexachloroethane	14.057	117	39140	20.890	ug/l	95
91) 1,2-Dichlorobenzene	13.833	146	96696	20.148	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	5792	21.292	ug/l	87
93) 1,2,4-Trichlorobenzene	15.104	180	52792	18.908	ug/l	97
94) Hexachlorobutadiene	15.210	225	26362	19.754	ug/l	96
95) Naphthalene	15.339	128	94242	17.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	44751	18.210	ug/l	99

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

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