

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051823\
 Data File : VD076134.D
 Acq On : 18 May 2023 12:04
 Operator : KP/SY
 Sample : VD0518SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0518SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/19/2023
 Supervised By :Mahesh Dadoda 05/19/2023

Quant Time: May 19 01:52:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	188151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	334935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	305289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	183220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	101547	55.843	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.680%			
35) Dibromofluoromethane	7.804	113	116744	50.427	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.860%			
50) Toluene-d8	10.269	98	463327	51.338	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.680%			
62) 4-Bromofluorobenzene	12.575	95	130367	52.001	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	42093	24.806	ug/l	95
3) Chloromethane	2.146	50	75182	24.734	ug/l	94
4) Vinyl Chloride	2.281	62	97746	26.709	ug/l	97
5) Bromomethane	2.675	94	64531	26.191	ug/l	95
6) Chloroethane	2.828	64	63439	25.766	ug/l	95
7) Trichlorofluoromethane	3.169	101	74625	24.058	ug/l	96
8) Diethyl Ether	3.587	74	23743	23.275	ug/l	71
9) 1,1,2-Trichlorotrifluo...	3.963	101	50058	24.499	ug/l	91
10) Methyl Iodide	4.157	142	54417	25.615	ug/l	89
11) Tert butyl alcohol	5.063	59	11604	120.634	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	47081	23.152	ug/l	87
13) Acrolein	3.793	56	23556	100.059	ug/l	94
14) Allyl chloride	4.563	41	47508	23.020	ug/l #	80
15) Acrylonitrile	5.257	53	49226	116.548	ug/l	95
16) Acetone	4.022	43	40631	112.302	ug/l #	81
17) Carbon Disulfide	4.263	76	140429	24.066	ug/l	99
18) Methyl Acetate	4.563	43	30206	23.405	ug/l #	81
19) Methyl tert-butyl Ether	5.322	73	90553	22.751	ug/l	98
20) Methylene Chloride	4.798	84	77822	21.715	ug/l #	80
21) trans-1,2-Dichloroethene	5.310	96	53942	23.016	ug/l #	81
22) Diisopropyl ether	6.216	45	113427	23.678	ug/l #	91
23) Vinyl Acetate	6.157	43	210673m	111.849	ug/l	
24) 1,1-Dichloroethane	6.110	63	89354	23.652	ug/l	98
25) 2-Butanone	7.081	43	53750	118.154	ug/l #	74
26) 2,2-Dichloropropane	7.081	77	72212	23.441	ug/l	91
27) cis-1,2-Dichloroethene	7.075	96	59250	22.782	ug/l	87
28) Bromochloromethane	7.428	49	29478	23.401	ug/l #	63
29) Tetrahydrofuran	7.445	42	30838	116.303	ug/l #	72
30) Chloroform	7.598	83	94989	23.512	ug/l	99
31) Cyclohexane	7.875	56	64496	23.159	ug/l	85
32) 1,1,1-Trichloroethane	7.787	97	76087	23.632	ug/l	97
36) 1,1-Dichloropropene	8.004	75	68700	21.972	ug/l	96
37) Ethyl Acetate	7.175	43	21710	20.051	ug/l #	81
38) Carbon Tetrachloride	7.992	117	58105	20.574	ug/l	99
39) Methylcyclohexane	9.275	83	75362	20.935	ug/l	95
40) Benzene	8.251	78	215896	21.477	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	10083	16.984	ug/l #	56
42) 1,2-Dichloroethane	8.322	62	50569	21.268	ug/l	95
43) Isopropyl Acetate	8.357	43	40764	20.155	ug/l #	83
44) Trichloroethene	9.028	130	57064	20.143	ug/l	89
45) 1,2-Dichloropropane	9.304	63	52520	21.181	ug/l	98
46) Dibromomethane	9.392	93	28750	20.686	ug/l	96
47) Bromodichloromethane	9.581	83	68784	20.592	ug/l	95
48) Methyl methacrylate	9.381	41	17937	20.038	ug/l #	61
49) 1,4-Dioxane	9.386	88	6298	423.754	ug/l #	80
51) 4-Methyl-2-Pentanone	10.157	43	108753	101.101	ug/l #	81
52) Toluene	10.333	92	136547	21.749	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	63696	21.158	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	78696	21.420	ug/l #	77
55) 1,1,2-Trichloroethane	10.733	97	42997	21.573	ug/l	95
56) Ethyl methacrylate	10.598	69	39070	19.503	ug/l #	71
57) 1,3-Dichloropropane	10.880	76	64994	20.786	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	96279	100.165	ug/l	93
59) 2-Hexanone	10.922	43	76359	100.657	ug/l	78
60) Dibromochloromethane	11.075	129	47100	21.017	ug/l	100
61) 1,2-Dibromoethane	11.180	107	38513	21.723	ug/l	99
64) Tetrachloroethene	10.810	164	45545	19.401	ug/l	98
65) Chlorobenzene	11.610	112	144640	20.811	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.680	131	49483	20.689	ug/l	95
67) Ethyl Benzene	11.686	91	233446	21.020	ug/l	97
68) m/p-Xylenes	11.792	106	195611	43.096	ug/l	91
69) o-Xylene	12.122	106	85274	20.590	ug/l	95
70) Styrene	12.139	104	155733	21.688	ug/l	93
71) Bromoform	12.298	173	26537	19.725	ug/l #	97
73) Isopropylbenzene	12.422	105	220533	18.195	ug/l	99
74) N-amyl acetate	12.233	43	37051	17.162	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.675	83	47375	18.187	ug/l	96
76) 1,2,3-Trichloropropane	12.727	75	32964m	20.560	ug/l	
77) Bromobenzene	12.704	156	57231	17.617	ug/l	95
78) n-propylbenzene	12.763	91	310781	20.600	ug/l	96
79) 2-Chlorotoluene	12.851	91	171625	20.555	ug/l	93
80) 1,3,5-Trimethylbenzene	12.904	105	211074	21.007	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	12775	16.715	ug/l #	79
82) 4-Chlorotoluene	12.945	91	178176	20.062	ug/l	93
83) tert-Butylbenzene	13.169	119	165521	19.493	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	199587	19.946	ug/l	94
85) sec-Butylbenzene	13.345	105	268417	20.283	ug/l	97
86) p-Isopropyltoluene	13.463	119	219487	20.270	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	133186	20.277	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	133690	20.556	ug/l	96
89) n-Butylbenzene	13.786	91	204866	20.076	ug/l	98
90) Hexachloroethane	14.057	117	43274	19.429	ug/l	96
91) 1,2-Dichlorobenzene	13.833	146	118810	20.612	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6185	18.286	ug/l	74
93) 1,2,4-Trichlorobenzene	15.098	180	52835	15.758	ug/l	96
94) Hexachlorobutadiene	15.204	225	26033	15.228	ug/l	99
95) Naphthalene	15.333	128	98439	15.801	ug/l	99
96) 1,2,3-Trichlorobenzene	15.521	180	47195	15.477	ug/l	98

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

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