

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051723\
 Data File : VD076123.D
 Acq On : 17 May 2023 15:16
 Operator : KP/SY
 Sample : VD0517SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

Quant Time: May 18 05:20:47 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	192567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	336547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	313132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	161148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	103521	55.623	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.240%			
35) Dibromofluoromethane	7.804	113	116733	50.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.360%			
50) Toluene-d8	10.269	98	470392	51.871	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.740%			
62) 4-Bromofluorobenzene	12.575	95	131512	52.206	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	38337	22.074	ug/l	98
3) Chloromethane	2.146	50	75801	24.293	ug/l	97
4) Vinyl Chloride	2.281	62	94369	25.195	ug/l	99
5) Bromomethane	2.675	94	60306	23.915	ug/l	99
6) Chloroethane	2.822	64	61740	24.501	ug/l	92
7) Trichlorofluoromethane	3.163	101	71158	22.414	ug/l	91
8) Diethyl Ether	3.587	74	23069	22.096	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.957	101	46240	22.112	ug/l	97
10) Methyl Iodide	4.157	142	51703	23.779	ug/l	89
11) Tert butyl alcohol	5.052	59	12354	125.486	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	44116	21.197	ug/l	84
13) Acrolein	3.793	56	23958	99.432	ug/l	90
14) Allyl chloride	4.557	41	43782	20.728	ug/l #	81
15) Acrylonitrile	5.252	53	49396	114.268	ug/l	98
16) Acetone	4.022	43	41795	112.871	ug/l #	80
17) Carbon Disulfide	4.269	76	137365	22.870	ug/l	96
18) Methyl Acetate	4.563	43	31174	23.601	ug/l #	77
19) Methyl tert-butyl Ether	5.316	73	88678	21.769	ug/l	99
20) Methylene Chloride	4.793	84	81061	22.297	ug/l #	76
21) trans-1,2-Dichloroethene	5.310	96	52173	21.751	ug/l #	81
22) Diisopropyl ether	6.210	45	111001	22.640	ug/l #	93
23) Vinyl Acetate	6.151	43	213556m	110.780	ug/l	
24) 1,1-Dichloroethane	6.104	63	86673	22.416	ug/l	96
25) 2-Butanone	7.087	43	55540	119.289	ug/l #	89
26) 2,2-Dichloropropane	7.075	77	70227	22.274	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	57218	21.496	ug/l	87
28) Bromochloromethane	7.422	49	29105	22.575	ug/l #	66
29) Tetrahydrofuran	7.440	42	30790	113.459	ug/l #	63
30) Chloroform	7.598	83	91838	22.210	ug/l	98
31) Cyclohexane	7.875	56	62445	21.908	ug/l #	74
32) 1,1,1-Trichloroethane	7.787	97	73055	22.170	ug/l	98
36) 1,1-Dichloropropene	8.004	75	64806	20.627	ug/l	95
37) Ethyl Acetate	7.163	43	24929	22.914	ug/l #	83
38) Carbon Tetrachloride	7.993	117	55570	19.582	ug/l	94
39) Methylcyclohexane	9.275	83	68193	18.853	ug/l	95
40) Benzene	8.251	78	206182	20.412	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.398	41	11462	19.214	ug/l #	69
42) 1,2-Dichloroethane	8.322	62	51072	21.377	ug/l	91
43) Isopropyl Acetate	8.357	43	41193	20.269	ug/l #	80
44) Trichloroethene	9.022	130	54526	19.155	ug/l	90
45) 1,2-Dichloropropane	9.298	63	49580	19.900	ug/l	94
46) Dibromomethane	9.393	93	30036	21.508	ug/l	98
47) Bromodichloromethane	9.581	83	69403	20.678	ug/l	98
48) Methyl methacrylate	9.375	41	17899	19.900	ug/l #	61
49) 1,4-Dioxane	9.387	88	6874	460.294	ug/l #	78
51) 4-Methyl-2-Pentanone	10.157	43	113478	104.988	ug/l #	85
52) Toluene	10.334	92	132074	20.936	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	61769	20.419	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	74957	20.304	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	43263	21.603	ug/l	92
56) Ethyl methacrylate	10.598	69	40945	20.341	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	66113	21.042	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	102526	106.153	ug/l	93
59) 2-Hexanone	10.922	43	80416	105.498	ug/l	80
60) Dibromochloromethane	11.075	129	47198	20.960	ug/l	99
61) 1,2-Dibromoethane	11.181	107	37613	21.113	ug/l	98
64) Tetrachloroethene	10.810	164	44359	18.422	ug/l	94
65) Chlorobenzene	11.604	112	139821	19.614	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	48098	19.606	ug/l	96
67) Ethyl Benzene	11.686	91	223507	19.621	ug/l	98
68) m/p-Xylenes	11.792	106	188837	40.562	ug/l	90
69) o-Xylene	12.122	106	82595	19.443	ug/l	96
70) Styrene	12.134	104	151356	20.551	ug/l	93
71) Bromoform	12.298	173	27122	19.655	ug/l #	99
73) Isopropylbenzene	12.422	105	212242	19.910	ug/l	99
74) N-amyl acetate	12.234	43	38508	20.280	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.669	83	47812	20.868	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	31739m	22.507	ug/l	
77) Bromobenzene	12.704	156	54597	19.108	ug/l	97
78) n-propylbenzene	12.763	91	275227	20.742	ug/l	99
79) 2-Chlorotoluene	12.851	91	150625	20.511	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	177288	20.062	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	13640	20.291	ug/l #	71
82) 4-Chlorotoluene	12.945	91	162212	20.766	ug/l	94
83) tert-Butylbenzene	13.169	119	145242	19.447	ug/l	95
84) 1,2,4-Trimethylbenzene	13.216	105	178814	20.318	ug/l	95
85) sec-Butylbenzene	13.345	105	234725	20.167	ug/l	98
86) p-Isopropyltoluene	13.463	119	189586	19.907	ug/l	95
87) 1,3-Dichlorobenzene	13.463	146	113524	19.651	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	114232	19.970	ug/l	98
89) n-Butylbenzene	13.786	91	174695	19.465	ug/l	99
90) Hexachloroethane	14.057	117	38441	19.623	ug/l	99
91) 1,2-Dichlorobenzene	13.833	146	100244	19.773	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	6488	21.810	ug/l	94
93) 1,2,4-Trichlorobenzene	15.104	180	49525	16.794	ug/l	97
94) Hexachlorobutadiene	15.210	225	25007	16.632	ug/l	96
95) Naphthalene	15.333	128	99591	18.176	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	46058	17.173	ug/l	98

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

