

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091422\
 Data File : VD074282.D
 Acq On : 14 Sep 2022 13:57
 Operator : VA/SY
 Sample : VD0914SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/15/2022
 Supervised By :Mahesh Dadoda 09/15/2022

Quant Time: Sep 15 04:13:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	91598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	155508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	140829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	69674	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	46048	49.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.620%		
35) Dibromofluoromethane	7.805	113	48356	46.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.440%		
50) Toluene-d8	10.263	98	188617	49.480	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.960%		
62) 4-Bromofluorobenzene	12.563	95	59517	43.854	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	18573	24.352	ug/l	89
3) Chloromethane	2.140	50	17292	25.254	ug/l	98
4) Vinyl Chloride	2.275	62	15483	26.544	ug/l	98
5) Bromomethane	2.670	94	8893	28.951	ug/l	94
6) Chloroethane	2.817	64	9482	27.298	ug/l	99
7) Trichlorofluoromethane	3.164	101	35315	21.761	ug/l	99
8) Diethyl Ether	3.593	74	10904	20.825	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.952	101	22208	21.269	ug/l	98
10) Methyl Iodide	4.152	142	24336	19.557	ug/l	99
11) Tert butyl alcohol	5.052	59	7692	100.994	ug/l #	74
12) 1,1-Dichloroethene	3.934	96	21572	21.402	ug/l	97
13) Acrolein	3.793	56	6821	84.256	ug/l	94
14) Allyl chloride	4.558	41	31719	20.277	ug/l	98
15) Acrylonitrile	5.246	53	27305	111.851	ug/l	97
16) Acetone	4.022	43	20370	105.677	ug/l	99
17) Carbon Disulfide	4.264	76	64036	22.023	ug/l	97
18) Methyl Acetate	4.558	43	14340	22.236	ug/l	99
19) Methyl tert-butyl Ether	5.311	73	49151	20.130	ug/l	100
20) Methylene Chloride	4.799	84	37062	29.024	ug/l	92
21) trans-1,2-Dichloroethene	5.311	96	24082	21.179	ug/l	99
22) Diisopropyl ether	6.211	45	69168	20.836	ug/l	96
23) Vinyl Acetate	6.158	43	150436m	95.968	ug/l	
24) 1,1-Dichloroethane	6.105	63	43484	21.205	ug/l	97
25) 2-Butanone	7.075	43	33624	104.589	ug/l	99
26) 2,2-Dichloropropane	7.069	77	34989	19.530	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	27998	21.550	ug/l	97
28) Bromochloromethane	7.422	49	10491	16.658	ug/l	97
29) Tetrahydrofuran	7.440	42	21264	107.287	ug/l	98
30) Chloroform	7.593	83	43014	21.134	ug/l	93
31) Cyclohexane	7.875	56	39751	20.597	ug/l	99
32) 1,1,1-Trichloroethane	7.787	97	37424	20.956	ug/l	98
36) 1,1-Dichloropropene	8.005	75	33983	20.190	ug/l	99
37) Ethyl Acetate	7.163	43	15037	20.601	ug/l	97
38) Carbon Tetrachloride	7.987	117	30312	19.905	ug/l	94
39) Methylcyclohexane	9.269	83	41289	19.816	ug/l	95
40) Benzene	8.246	78	97101	20.845	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	7500	18.448	ug/l #	85
42) 1,2-Dichloroethane	8.328	62	24897	20.225	ug/l	99
43) Isopropyl Acetate	8.357	43	27350	19.399	ug/l	96
44) Trichloroethene	9.022	130	26409	20.425	ug/l	92
45) 1,2-Dichloropropane	9.304	63	23985	19.812	ug/l	98
46) Dibromomethane	9.393	93	13013	20.703	ug/l	97
47) Bromodichloromethane	9.581	83	32325	20.441	ug/l	99
48) Methyl methacrylate	9.381	41	13178	19.790	ug/l	97
49) 1,4-Dioxane	9.381	88	3173	426.284	ug/l	91
51) 4-Methyl-2-Pentanone	10.157	43	73948	103.774	ug/l	97
52) Toluene	10.328	92	61396	20.549	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	27795	18.646	ug/l	100
54) cis-1,3-Dichloropropene	10.010	75	36000	19.601	ug/l	96
55) 1,1,2-Trichloroethane	10.728	97	18244	20.997	ug/l	95
56) Ethyl methacrylate	10.593	69	23544	20.394	ug/l	99
57) 1,3-Dichloropropane	10.875	76	32096	20.930	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	22233	98.610	ug/l	99
59) 2-Hexanone	10.916	43	49666	102.638	ug/l	99
60) Dibromochloromethane	11.069	129	21603	20.417	ug/l	100
61) 1,2-Dibromoethane	11.175	107	17149	20.736	ug/l	98
64) Tetrachloroethene	10.804	164	21135	19.628	ug/l	93
65) Chlorobenzene	11.598	112	63846	20.166	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.675	131	23170	20.434	ug/l	98
67) Ethyl Benzene	11.675	91	117401	19.852	ug/l	100
68) m/p-Xylenes	11.787	106	90569	40.351	ug/l	100
69) o-Xylene	12.116	106	42392	19.985	ug/l	97
70) Styrene	12.128	104	73303	20.719	ug/l	100
71) Bromoform	12.293	173	12384	19.617	ug/l #	97
73) Isopropylbenzene	12.416	105	113814	19.307	ug/l	100
74) N-amyl acetate	12.228	43	26677	19.217	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.663	83	21632	20.154	ug/l	100
76) 1,2,3-Trichloropropane	12.710	75	13489m	18.885	ug/l	
77) Bromobenzene	12.693	156	25774	19.924	ug/l	97
78) n-propylbenzene	12.751	91	142082	19.655	ug/l	99
79) 2-Chlorotoluene	12.840	91	78218	20.004	ug/l	99
80) 1,3,5-Trimethylbenzene	12.893	105	95470	19.548	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	4994	17.239	ug/l #	100
82) 4-Chlorotoluene	12.940	91	79161	19.885	ug/l	100
83) tert-Butylbenzene	13.157	119	78777	18.428	ug/l	97
84) 1,2,4-Trimethylbenzene	13.204	105	92883	19.590	ug/l	99
85) sec-Butylbenzene	13.334	105	126080	19.470	ug/l	100
86) p-Isopropyltoluene	13.451	119	103112	19.495	ug/l	99
87) 1,3-Dichlorobenzene	13.445	146	51970	19.698	ug/l	98
88) 1,4-Dichlorobenzene	13.528	146	50639	19.518	ug/l	98
89) n-Butylbenzene	13.775	91	101501	19.639	ug/l	98
90) Hexachloroethane	14.040	117	19873	20.539	ug/l	97
91) 1,2-Dichlorobenzene	13.822	146	44449	19.372	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.434	75	3137	20.799	ug/l	87
93) 1,2,4-Trichlorobenzene	15.087	180	28167	17.760	ug/l	100
94) Hexachlorobutadiene	15.192	225	16728	18.457	ug/l	98
95) Naphthalene	15.322	128	56570	19.089	ug/l	100
96) 1,2,3-Trichlorobenzene	15.510	180	25568	18.778	ug/l	99

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

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