

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081022\
 Data File : VD074032.D
 Acq On : 10 Aug 2022 18:32
 Operator : VA/SY
 Sample : VD0810SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0810SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/11/2022
 Supervised By :Mahesh Dadoda 08/11/2022

Quant Time: Aug 10 20:03:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	131633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	219695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	205824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	107632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	58928	57.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.880%			
35) Dibromofluoromethane	7.903	113	70645	48.414	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.820%			
50) Toluene-d8	10.332	98	188876	49.413	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.820%			
62) 4-Bromofluorobenzene	12.620	95	91759	51.135	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	33463	26.855	ug/l	99
3) Chloromethane	2.209	50	49111	25.256	ug/l	95
4) Vinyl Chloride	2.344	62	69751	24.896	ug/l	94
5) Bromomethane	2.744	94	42145	21.834	ug/l	89
6) Chloroethane	2.909	64	44776	22.333	ug/l	99
7) Trichlorofluoromethane	3.256	101	59954	22.481	ug/l	98
8) Diethyl Ether	3.703	74	13323	21.737	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.079	101	32781	21.484	ug/l	98
10) Methyl Iodide	4.291	142	33021	21.072	ug/l	99
11) Tert butyl alcohol	5.226	59	10601	161.388	ug/l #	90
12) 1,1-Dichloroethene	4.056	96	29195	22.180	ug/l	99
13) Acrolein	3.915	56	10300	100.288	ug/l	90
14) Allyl chloride	4.703	41	37778	22.329	ug/l	99
15) Acrylonitrile	5.409	53	29288	115.171	ug/l	97
16) Acetone	4.156	43	22471	106.689	ug/l #	88
17) Carbon Disulfide	4.397	76	93048	21.801	ug/l	98
18) Methyl Acetate	4.715	43	15377	24.329	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	67323	22.947	ug/l	98
20) Methylene Chloride	4.956	84	46236	31.876	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	34334	21.723	ug/l	95
22) Diisopropyl ether	6.362	45	80180	22.035	ug/l	97
23) Vinyl Acetate	6.297	43	180681	18.857	ug/l	96
24) 1,1-Dichloroethane	6.250	63	57362	22.002	ug/l	96
25) 2-Butanone	7.214	43	38756	117.665	ug/l	98
26) 2,2-Dichloropropane	7.191	77	53032	21.280	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	36916	21.855	ug/l	97
28) Bromochloromethane	7.532	49	21014	20.886	ug/l #	98
29) Tetrahydrofuran	7.556	42	23208	114.450	ug/l	99
30) Chloroform	7.703	83	65323	22.103	ug/l	96
31) Cyclohexane	7.973	56	48390	20.946	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	60060	21.364	ug/l	99
36) 1,1-Dichloropropene	8.103	75	44594	20.082	ug/l	97
37) Ethyl Acetate	7.285	43	19230	24.333	ug/l #	94
38) Carbon Tetrachloride	8.085	117	52525	20.982	ug/l	97
39) Methylcyclohexane	9.344	83	50095	19.888	ug/l	97
40) Benzene	8.344	78	128344	21.321	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	10713	24.806	ug/l #	79
42) 1,2-Dichloroethane	8.414	62	40143	21.634	ug/l	99
43) Isopropyl Acetate	8.444	43	34742	22.998	ug/l	99
44) Trichloroethene	9.103	130	36236	20.462	ug/l	98
45) 1,2-Dichloropropane	9.373	63	30071	20.756	ug/l	95
46) Dibromomethane	9.467	93	19817	21.243	ug/l	100
47) Bromodichloromethane	9.655	83	51406	22.152	ug/l #	85
48) Methyl methacrylate	9.444	41	16554	22.970	ug/l	86
49) 1,4-Dioxane	9.456	88	4471	490.375	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	87768	113.183	ug/l	98
52) Toluene	10.391	92	81849	20.370	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	42182	21.084	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	49951	21.603	ug/l	96
55) 1,1,2-Trichloroethane	10.791	97	25323	21.357	ug/l	95
56) Ethyl methacrylate	10.650	69	27622	22.189	ug/l	96
57) 1,3-Dichloropropane	10.932	76	42556	22.279	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	54279	104.500	ug/l	99
59) 2-Hexanone	10.973	43	59465	114.381	ug/l	95
60) Dibromochloromethane	11.126	129	33317	20.747	ug/l	98
61) 1,2-Dibromoethane	11.232	107	25821	21.562	ug/l	99
64) Tetrachloroethene	10.861	164	31602	20.496	ug/l	89
65) Chlorobenzene	11.655	112	91342	20.799	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	34995	20.967	ug/l	96
67) Ethyl Benzene	11.732	91	153879	20.113	ug/l	100
68) m/p-Xylenes	11.838	106	124228	40.648	ug/l	99
69) o-Xylene	12.167	106	57338	20.485	ug/l	95
70) Styrene	12.179	104	96851	20.434	ug/l	98
71) Bromoform	12.344	173	20342	22.146	ug/l #	97
73) Isopropylbenzene	12.467	105	147620	19.726	ug/l	99
74) N-amyl acetate	12.273	43	32424	22.687	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	29538	21.746	ug/l	94
76) 1,2,3-Trichloropropane	12.767	75	22831m	23.233	ug/l	
77) Bromobenzene	12.749	156	37449	20.954	ug/l	98
78) n-propylbenzene	12.808	91	187106	20.191	ug/l	99
79) 2-Chlorotoluene	12.891	91	105310	20.189	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	129882	20.443	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	7580	20.587	ug/l	90
82) 4-Chlorotoluene	12.991	91	110540	20.196	ug/l	99
83) tert-Butylbenzene	13.208	119	103905	19.253	ug/l	95
84) 1,2,4-Trimethylbenzene	13.249	105	129766	20.319	ug/l	99
85) sec-Butylbenzene	13.385	105	165512	19.902	ug/l	100
86) p-Isopropyltoluene	13.502	119	138109	19.837	ug/l	98
87) 1,3-Dichlorobenzene	13.496	146	76443	20.376	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	76260	20.210	ug/l	99
89) n-Butylbenzene	13.826	91	129114	19.801	ug/l	100
90) Hexachloroethane	14.091	117	27209	19.760	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	66694	20.700	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.479	75	4681	20.898	ug/l	98
93) 1,2,4-Trichlorobenzene	15.138	180	39170	20.766	ug/l	99
94) Hexachlorobutadiene	15.249	225	20630	19.115	ug/l	93
95) Naphthalene	15.379	128	69763	21.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	33171	19.997	ug/l	97

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

