

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091422\
 Data File : VD074298.D
 Acq On : 14 Sep 2022 21:34
 Operator : VA/SY
 Sample : VD0914SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 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 04:16:38 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	74853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	128046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	118967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	58774	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	38154	49.996	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.000%			
35) Dibromofluoromethane	7.799	113	40277	46.792	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.580%			
50) Toluene-d8	10.263	98	155540	49.554	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.100%			
62) 4-Bromofluorobenzene	12.569	95	49205	44.064	ug/l	0.01
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	15599	25.124	ug/l	99
3) Chloromethane	2.140	50	14245	25.458	ug/l	97
4) Vinyl Chloride	2.275	62	12840	26.937	ug/l	97
5) Bromomethane	2.664	94	6913	27.540	ug/l	92
6) Chloroethane	2.822	64	8132	28.649	ug/l	97
7) Trichlorofluoromethane	3.158	101	28989	21.859	ug/l	94
8) Diethyl Ether	3.587	74	9488	22.174	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	19299	22.617	ug/l #	87
10) Methyl Iodide	4.152	142	22176	21.808	ug/l	99
11) Tert butyl alcohol	5.069	59	6261	100.595	ug/l #	85
12) 1,1-Dichloroethene	3.934	96	18899	22.944	ug/l	99
13) Acrolein	3.787	56	5634	85.162	ug/l	98
14) Allyl chloride	4.552	41	27268	21.331	ug/l	98
15) Acrylonitrile	5.258	53	22724	113.909	ug/l	98
16) Acetone	4.022	43	16164	102.616	ug/l	99
17) Carbon Disulfide	4.264	76	55077	23.179	ug/l	100
18) Methyl Acetate	4.564	43	12878	24.436	ug/l	96
19) Methyl tert-butyl Ether	5.311	73	42050	21.074	ug/l	99
20) Methylene Chloride	4.793	84	34539	34.070	ug/l	86
21) trans-1,2-Dichloroethene	5.305	96	20792	22.376	ug/l	88
22) Diisopropyl ether	6.211	45	60731	22.387	ug/l	98
23) Vinyl Acetate	6.152	43	128246	100.114	ug/l	98
24) 1,1-Dichloroethane	6.105	63	39559	23.606	ug/l	98
25) 2-Butanone	7.087	43	28938	110.150	ug/l	97
26) 2,2-Dichloropropane	7.075	77	29254	19.981	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	23373	22.014	ug/l	99
28) Bromochloromethane	7.422	49	9585	18.624	ug/l #	90
29) Tetrahydrofuran	7.440	42	18189	112.302	ug/l	97
30) Chloroform	7.593	83	38324	23.041	ug/l	94
31) Cyclohexane	7.875	56	34793	22.061	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	31951	21.894	ug/l	96
36) 1,1-Dichloropropene	7.999	75	29834	21.526	ug/l	99
37) Ethyl Acetate	7.175	43	12740	21.198	ug/l	97
38) Carbon Tetrachloride	7.987	117	26366	21.027	ug/l	95
39) Methylcyclohexane	9.269	83	36336	21.179	ug/l	92
40) Benzene	8.252	78	84754	22.097	ug/l	94

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41) Methacrylonitrile	7.405	41	7198	21.502	ug/l	88
42) 1,2-Dichloroethane	8.328	62	23181	22.870	ug/l	97
43) Isopropyl Acetate	8.357	43	24433	21.046	ug/l	100
44) Trichloroethene	9.028	130	21873	20.545	ug/l	94
45) 1,2-Dichloropropane	9.299	63	21923	21.992	ug/l	94
46) Dibromomethane	9.393	93	11489	22.199	ug/l	95
47) Bromodichloromethane	9.581	83	28036	21.531	ug/l	97
48) Methyl methacrylate	9.381	41	11491	20.957	ug/l	98
49) 1,4-Dioxane	9.375	88	2738	446.734	ug/l	90
51) 4-Methyl-2-Pentanone	10.157	43	62201	106.010	ug/l	98
52) Toluene	10.334	92	53571	21.775	ug/l	100
53) t-1,3-Dichloropropene	10.552	75	24124	19.654	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	31201	20.632	ug/l	97
55) 1,1,2-Trichloroethane	10.728	97	16152	22.576	ug/l	96
56) Ethyl methacrylate	10.593	69	19473	20.485	ug/l	98
57) 1,3-Dichloropropane	10.875	76	28063	22.225	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	18141	97.631	ug/l	97
59) 2-Hexanone	10.916	43	41924	105.220	ug/l	98
60) Dibromochloromethane	11.069	129	18919	21.715	ug/l	98
61) 1,2-Dibromoethane	11.175	107	14692	21.576	ug/l	93
64) Tetrachloroethene	10.804	164	17662	19.417	ug/l	90
65) Chlorobenzene	11.604	112	56799	21.237	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.675	131	20046	20.928	ug/l	98
67) Ethyl Benzene	11.681	91	102960	20.609	ug/l	99
68) m/p-Xylenes	11.787	106	78257	41.273	ug/l	97
69) o-Xylene	12.116	106	36480	20.358	ug/l	96
70) Styrene	12.128	104	64069	21.437	ug/l	99
71) Bromoform	12.293	173	11035	20.693	ug/l #	99
73) Isopropylbenzene	12.416	105	99279	19.965	ug/l	100
74) N-amyl acetate	12.228	43	21557	18.408	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.663	83	18802	20.766	ug/l	96
76) 1,2,3-Trichloropropane	12.716	75	13139m	21.807	ug/l	
77) Bromobenzene	12.693	156	22246	20.386	ug/l	96
78) n-propylbenzene	12.751	91	122462	20.083	ug/l	100
79) 2-Chlorotoluene	12.840	91	65767	19.939	ug/l	99
80) 1,3,5-Trimethylbenzene	12.893	105	82728	20.080	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.457	75	3773	15.439	ug/l #	100
82) 4-Chlorotoluene	12.940	91	67681	20.154	ug/l	97
83) tert-Butylbenzene	13.157	119	71288	19.769	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	81822	20.458	ug/l	100
85) sec-Butylbenzene	13.334	105	107611	19.700	ug/l	99
86) p-Isopropyltoluene	13.451	119	88130	19.752	ug/l	99
87) 1,3-Dichlorobenzene	13.445	146	44745	20.105	ug/l	97
88) 1,4-Dichlorobenzene	13.528	146	44236	20.212	ug/l	98
89) n-Butylbenzene	13.775	91	87379	20.042	ug/l	98
90) Hexachloroethane	14.045	117	17016	20.848	ug/l	98
91) 1,2-Dichlorobenzene	13.822	146	38381	19.830	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.428	75	2731	21.465	ug/l	86
93) 1,2,4-Trichlorobenzene	15.087	180	24622	18.404	ug/l	97
94) Hexachlorobutadiene	15.192	225	14623	19.127	ug/l	95
95) Naphthalene	15.322	128	46946	18.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.504	180	21498	18.717	ug/l	99

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

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