

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092122\
 Data File : VD074394.D
 Acq On : 21 Sep 2022 17:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/22/2022
 Supervised By :Mahesh Dadoda 09/22/2022

Quant Time: Sep 22 05:13:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	81463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	138961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	130974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	63570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	43238	54.493	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.980%			
35) Dibromofluoromethane	7.804	113	44622	48.756	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.520%			
50) Toluene-d8	10.269	98	186260	58.982	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.960%			
62) 4-Bromofluorobenzene	12.569	95	56547	53.203	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	32344	43.100	ug/l	95
3) Chloromethane	2.140	50	44322	62.106	ug/l	100
4) Vinyl Chloride	2.275	62	27649	39.476	ug/l	99
5) Bromomethane	2.681	94	7697	17.776	ug/l	87
6) Chloroethane	2.822	64	17646	42.882	ug/l #	87
7) Trichlorofluoromethane	3.158	101	61831	45.303	ug/l	97
8) Diethyl Ether	3.581	74	22340	51.349	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	42946	50.043	ug/l	96
10) Methyl Iodide	4.158	142	27254	25.710	ug/l	98
11) Tert butyl alcohol	5.052	59	22088	411.919	ug/l #	86
12) 1,1-Dichloroethene	3.928	96	42029	48.112	ug/l	92
13) Acrolein	3.787	56	6639	114.805	ug/l	99
14) Allyl chloride	4.552	41	62911	49.761	ug/l	98
15) Acrylonitrile	5.246	53	54580	284.620	ug/l	98
16) Acetone	4.022	43	41384	231.505	ug/l	100
17) Carbon Disulfide	4.258	76	113907	40.045	ug/l	98
18) Methyl Acetate	4.563	43	26875	55.092	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	106375	56.863	ug/l	99
20) Methylene Chloride	4.793	84	55080	49.157	ug/l	95
21) trans-1,2-Dichloroethene	5.299	96	48051	49.678	ug/l	99
22) Diisopropyl ether	6.210	45	150827	56.642	ug/l	96
23) Vinyl Acetate	6.152	43	350830	258.912	ug/l	99
24) 1,1-Dichloroethane	6.110	63	92053	53.708	ug/l	98
25) 2-Butanone	7.081	43	68533	257.397	ug/l	97
26) 2,2-Dichloropropane	7.069	77	74472	52.635	ug/l	97
27) cis-1,2-Dichloroethene	7.075	96	57284	53.455	ug/l	96
28) Bromochloromethane	7.422	49	35926	54.283	ug/l	94
29) Tetrahydrofuran	7.446	42	42399	277.868	ug/l	99
30) Chloroform	7.593	83	90050	53.431	ug/l	94
31) Cyclohexane	7.875	56	75261	45.226	ug/l	89
32) 1,1,1-Trichloroethane	7.793	97	75808	50.990	ug/l	98
36) 1,1-Dichloropropene	8.004	75	67332	48.196	ug/l	99
37) Ethyl Acetate	7.163	43	27623	49.354	ug/l	95
38) Carbon Tetrachloride	7.987	117	58283	47.077	ug/l	92
39) Methylcyclohexane	9.275	83	80044	47.368	ug/l	98
40) Benzene	8.246	78	201502	51.440	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	15892	52.312	ug/l	91
42) 1,2-Dichloroethane	8.328	62	52440	52.418	ug/l	100
43) Isopropyl Acetate	8.357	43	57910	56.082	ug/l	99
44) Trichloroethene	9.028	130	53058	51.519	ug/l	91
45) 1,2-Dichloropropane	9.304	63	52289	53.077	ug/l	97
46) Dibromomethane	9.393	93	25937	51.184	ug/l	97
47) Bromodichloromethane	9.581	83	66292	53.113	ug/l	94
48) Methyl methacrylate	9.375	41	27836	55.706	ug/l	99
49) 1,4-Dioxane	9.381	88	6773	1221.338	ug/l	92
51) 4-Methyl-2-Pentanone	10.157	43	154828	285.390	ug/l	99
52) Toluene	10.328	92	127904	53.009	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	64080	57.544	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	79127	54.922	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	37603	56.334	ug/l	98
56) Ethyl methacrylate	10.598	69	48612	55.595	ug/l	97
57) 1,3-Dichloropropane	10.875	76	64947	53.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	35967	154.371	ug/l	99
59) 2-Hexanone	10.916	43	102839	271.006	ug/l	98
60) Dibromochloromethane	11.069	129	43074	53.887	ug/l	99
61) 1,2-Dibromoethane	11.175	107	32895	51.315	ug/l	98
64) Tetrachloroethene	10.810	164	44323	49.925	ug/l	96
65) Chlorobenzene	11.604	112	134555	49.868	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.675	131	48330	52.159	ug/l	98
67) Ethyl Benzene	11.681	91	253316	51.173	ug/l	100
68) m/p-Xylenes	11.793	106	193493	102.043	ug/l	99
69) o-Xylene	12.116	106	92229	53.223	ug/l	99
70) Styrene	12.134	104	156503	53.029	ug/l	99
71) Bromoform	12.292	173	24584	49.443	ug/l #	99
73) Isopropylbenzene	12.416	105	242899	49.681	ug/l	100
74) N-amyl acetate	12.228	43	54677	50.603	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.669	83	43609	51.335	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	29602m	50.329	ug/l	
77) Bromobenzene	12.698	156	53190	49.786	ug/l	98
78) n-propylbenzene	12.757	91	300739	49.586	ug/l	98
79) 2-Chlorotoluene	12.845	91	161289	50.426	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	199467	49.894	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	12276	52.310	ug/l #	100
82) 4-Chlorotoluene	12.940	91	164595	49.623	ug/l	98
83) tert-Butylbenzene	13.163	119	177380	50.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.204	105	198285	50.413	ug/l	97
85) sec-Butylbenzene	13.339	105	266540	50.665	ug/l	100
86) p-Isopropyltoluene	13.451	119	219332	49.886	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	108087	49.217	ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	104298	48.594	ug/l	99
89) n-Butylbenzene	13.781	91	214617	49.838	ug/l	99
90) Hexachloroethane	14.045	117	34372	41.422	ug/l	92
91) 1,2-Dichlorobenzene	13.822	146	93207	50.336	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.439	75	6190	49.019	ug/l	91
93) 1,2,4-Trichlorobenzene	15.092	180	61682	49.380	ug/l	98
94) Hexachlorobutadiene	15.198	225	33881	47.743	ug/l	98
95) Naphthalene	15.322	128	120026	51.839	ug/l	99
96) 1,2,3-Trichlorobenzene	15.510	180	52789	49.172	ug/l	98

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

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