

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073209.D
 Acq On : 21 May 2022 03:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 21 05:18:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	307618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	542815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	523998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	253351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	190605	56.067	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.140%			
35) Dibromofluoromethane	7.908	113	189460	52.894	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.780%			
50) Toluene-d8	10.332	98	698932	52.935	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.860%			
62) 4-Bromofluorobenzene	12.620	95	247685	53.453	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.900%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	127088	41.345	ug/l	100
3) Chloromethane	2.209	50	157733	45.381	ug/l	97
4) Vinyl Chloride	2.350	62	141655	44.570	ug/l	98
5) Bromomethane	2.762	94	105195	51.771	ug/l	98
6) Chloroethane	2.915	64	95038	48.642	ug/l	99
7) Trichlorofluoromethane	3.268	101	261178	46.474	ug/l	99
8) Diethyl Ether	3.709	74	82458	53.396	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.085	101	155834	46.474	ug/l	98
10) Methyl Iodide	4.291	142	168544	46.588	ug/l	100
11) Tert butyl alcohol	5.215	59	58390	110.702	ug/l	97
12) 1,1-Dichloroethene	4.062	96	148538	48.048	ug/l	89
13) Acrolein	3.920	56	57655	278.843	ug/l	99
14) Allyl chloride	4.709	41	239561	48.007	ug/l	92
15) Acrylonitrile	5.420	53	205289	290.715	ug/l	96
16) Acetone	4.156	43	143791	244.190	ug/l	95
17) Carbon Disulfide	4.409	76	458711	44.760	ug/l	98
18) Methyl Acetate	4.715	43	88519	54.060	ug/l #	89
19) Methyl tert-butyl Ether	5.479	73	394822	56.060	ug/l	99
20) Methylene Chloride	4.956	84	219959	59.663	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	189640	50.735	ug/l	91
22) Diisopropyl ether	6.356	45	579572	55.404	ug/l	96
23) Vinyl Acetate	6.303	43	1547507	277.340	ug/l #	95
24) 1,1-Dichloroethane	6.261	63	345432	51.445	ug/l	99
25) 2-Butanone	7.203	43	237427	275.595	ug/l	91
26) 2,2-Dichloropropane	7.203	77	249208	43.520	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	214529	51.869	ug/l	91
28) Bromochloromethane	7.538	49	130644	56.476	ug/l #	82
29) Tetrahydrofuran	7.556	42	157742	283.166	ug/l	92
30) Chloroform	7.703	83	372466	53.134	ug/l	99
31) Cyclohexane	7.979	56	260078	43.778	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	302501	49.339	ug/l	97
36) 1,1-Dichloropropene	8.108	75	253670	47.089	ug/l	96
37) Ethyl Acetate	7.285	43	111565	52.431	ug/l #	95
38) Carbon Tetrachloride	8.091	117	254610	46.626	ug/l	98
39) Methylcyclohexane	9.350	83	265809	44.275	ug/l	97
40) Benzene	8.344	78	782076	50.374	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	57481	46.365	ug/l #	81
42) 1,2-Dichloroethane	8.420	62	222979	51.616	ug/l	96
43) Isopropyl Acetate	8.444	43	211394	53.748	ug/l #	92
44) Trichloroethene	9.108	130	204359	49.360	ug/l	93
45) 1,2-Dichloropropane	9.379	63	202792	51.866	ug/l	94
46) Dibromomethane	9.467	93	111708	52.020	ug/l	96
47) Bromodichloromethane	9.650	83	285851	52.024	ug/l	100
48) Methyl methacrylate	9.450	41	101298	51.193	ug/l #	80
49) 1,4-Dioxane	9.455	88	23786	1072.588	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	576429	282.183	ug/l	94
52) Toluene	10.397	92	507053	51.683	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	255294	51.430	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	301238	50.712	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	156766	53.986	ug/l	99
56) Ethyl methacrylate	10.650	69	180773	55.991	ug/l	87
57) 1,3-Dichloropropane	10.938	76	267544	54.910	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	383563	250.047	ug/l	97
59) 2-Hexanone	10.973	43	382886	284.303	ug/l	92
60) Dibromochloromethane	11.132	129	198032	54.692	ug/l	97
61) 1,2-Dibromoethane	11.238	107	146571	52.822	ug/l	97
64) Tetrachloroethene	10.867	164	156972	45.737	ug/l	93
65) Chlorobenzene	11.661	112	542980	50.511	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	205807	51.623	ug/l	97
67) Ethyl Benzene	11.732	91	959652	50.854	ug/l	99
68) m/p-Xylenes	11.844	106	742008	101.208	ug/l	99
69) o-Xylene	12.173	106	347196	51.550	ug/l	97
70) Styrene	12.185	104	618182	53.348	ug/l	97
71) Bromoform	12.349	173	110496	53.852	ug/l #	99
73) Isopropylbenzene	12.467	105	901914	49.937	ug/l	99
74) N-amyl acetate	12.273	43	205033	52.038	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	177725	53.354	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	122408m	49.243	ug/l	
77) Bromobenzene	12.749	156	213063	50.113	ug/l	95
78) n-propylbenzene	12.808	91	1119962	49.393	ug/l	98
79) 2-Chlorotoluene	12.896	91	651379	49.754	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	777546	50.821	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	54671	52.799	ug/l #	85
82) 4-Chlorotoluene	12.991	91	696743	50.774	ug/l	99
83) tert-Butylbenzene	13.208	119	628871	48.771	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	781485	51.704	ug/l	100
85) sec-Butylbenzene	13.385	105	977843	49.665	ug/l	100
86) p-Isopropyltoluene	13.502	119	791602	49.322	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	433783	50.618	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	416222	48.114	ug/l	98
89) n-Butylbenzene	13.826	91	735920	48.124	ug/l	99
90) Hexachloroethane	14.096	117	165485	49.831	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	379996	51.248	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	28022	54.933	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	207719	49.344	ug/l	99
94) Hexachlorobutadiene	15.249	225	108669	45.810	ug/l	98
95) Naphthalene	15.379	128	411607	49.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	189366	50.742	ug/l	100

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

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