

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073089.D
 Acq On : 18 May 2022 10:04
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

05/19/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: May 18 16:27:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	286295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	463166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	462966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	234881	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174386	48.707	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.420%
35) Dibromofluoromethane	7.909	113	165562	50.912	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.820%
50) Toluene-d8	10.332	98	598250	50.710	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.420%
62) 4-Bromofluorobenzene	12.620	95	219216	51.303	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	148502	41.481	ug/l	97
3) Chloromethane	2.209	50	158243	42.876	ug/l	100
4) Vinyl Chloride	2.350	62	152196	44.839	ug/l	97
5) Bromomethane	2.762	94	103254	42.830	ug/l	98
6) Chloroethane	2.921	64	96346	45.582	ug/l	98
7) Trichlorofluoromethane	3.274	101	283411	45.627	ug/l	98
8) Diethyl Ether	3.709	74	80307	47.249	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	167086	45.425	ug/l	96
10) Methyl Iodide	4.297	142	167321	40.021	ug/l	99
11) Tert butyl alcohol	5.209	59	82092	148.236	ug/l	95
12) 1,1-Dichloroethene	4.068	96	152321	45.794	ug/l	87
13) Acrolein	3.921	56	69182	207.028	ug/l	99
14) Allyl chloride	4.709	41	238563	45.270	ug/l	90
15) Acrylonitrile	5.415	53	206508	253.507	ug/l	95
16) Acetone	4.150	43	187134	288.826	ug/l	93
17) Carbon Disulfide	4.409	76	510015	45.781	ug/l	97
18) Methyl Acetate	4.709	43	92087	47.153	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	388408	49.932	ug/l	99
20) Methylene Chloride	4.962	84	194272	41.312	ug/l	87
21) trans-1,2-Dichloroethene	5.468	96	183179	46.297	ug/l	94
22) Diisopropyl ether	6.362	45	556079	49.162	ug/l	92
23) Vinyl Acetate	6.303	43	1573360	257.478	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	324346	46.091	ug/l	97
25) 2-Butanone	7.209	43	259752	264.754	ug/l	91
26) 2,2-Dichloropropane	7.203	77	277808	46.629	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	202641	46.443	ug/l	92
28) Bromochloromethane	7.544	49	118206	49.037	ug/l #	83
29) Tetrahydrofuran	7.556	42	168605	267.070	ug/l	94
30) Chloroform	7.703	83	351611	46.698	ug/l	99
31) Cyclohexane	7.979	56	292674	45.382	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	300863	46.640	ug/l	97
36) 1,1-Dichloropropene	8.109	75	258971	48.874	ug/l	96
37) Ethyl Acetate	7.291	43	114641	51.517	ug/l #	95
38) Carbon Tetrachloride	8.091	117	263263	48.563	ug/l	97
39) Methylcyclohexane	9.350	83	305344	49.419	ug/l	98
40) Benzene	8.344	78	747825	49.358	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.515	41	63276	50.426	ug/l #	88
42) 1,2-Dichloroethane	8.414	62	221747	50.283	ug/l	97
43) Isopropyl Acetate	8.444	43	216962	52.440	ug/l #	94
44) Trichloroethene	9.109	130	196767	48.014	ug/l	95
45) 1,2-Dichloropropane	9.379	63	191318	48.625	ug/l	99
46) Dibromomethane	9.467	93	112040	51.498	ug/l	98
47) Bromodichloromethane	9.656	83	270697	48.989	ug/l	98
48) Methyl methacrylate	9.450	41	112770	54.951	ug/l	89
49) 1,4-Dioxane	9.450	88	24731	1091.840	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	600339	278.051	ug/l	93
52) Toluene	10.397	92	484289	50.347	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	257111	51.018	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	295729	49.770	ug/l	88
55) 1,1,2-Trichloroethane	10.791	97	153963	51.847	ug/l	98
56) Ethyl methacrylate	10.650	69	185480	55.228	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	258641	51.187	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	435648	244.168	ug/l	97
59) 2-Hexanone	10.973	43	420635	294.916	ug/l	94
60) Dibromochloromethane	11.126	129	190650	51.676	ug/l	97
61) 1,2-Dibromoethane	11.238	107	148103	51.829	ug/l	98
64) Tetrachloroethene	10.867	164	158726	46.796	ug/l	88
65) Chlorobenzene	11.661	112	508168	48.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	191777	47.825	ug/l	99
67) Ethyl Benzene	11.738	91	910817	49.832	ug/l	99
68) m/p-Xylenes	11.844	106	717214	101.246	ug/l	98
69) o-Xylene	12.173	106	331956	50.815	ug/l	95
70) Styrene	12.185	104	593188	51.988	ug/l	97
71) Bromoform	12.350	173	108140	51.220	ug/l #	98
73) Isopropylbenzene	12.467	105	870446	48.891	ug/l	100
74) N-amyl acetate	12.279	43	215212	51.725	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	178228	50.778	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	127791m	48.129	ug/l	
77) Bromobenzene	12.750	156	212077	49.924	ug/l	92
78) n-propylbenzene	12.808	91	1110663	49.677	ug/l	99
79) 2-Chlorotoluene	12.897	91	630566	48.413	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	754009	49.713	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	55905	50.485	ug/l	91
82) 4-Chlorotoluene	12.991	91	673454	48.855	ug/l	99
83) tert-Butylbenzene	13.208	119	635715	49.482	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	752800	49.887	ug/l	99
85) sec-Butylbenzene	13.391	105	978963	50.200	ug/l	100
86) p-Isopropyltoluene	13.502	119	799059	50.375	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	420594	48.172	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	410072	47.529	ug/l	100
89) n-Butylbenzene	13.826	91	758734	49.186	ug/l	98
90) Hexachloroethane	14.097	117	154553	46.891	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	366144	48.350	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	28877	52.930	ug/l	95
93) 1,2,4-Trichlorobenzene	15.144	180	216057	50.005	ug/l	99
94) Hexachlorobutadiene	15.249	225	116932	48.485	ug/l	97
95) Naphthalene	15.379	128	413860	45.633	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	193800	50.521	ug/l	99

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

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