

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060622\
 Data File : VD073488.D
 Acq On : 06 Jun 2022 21:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/07/2022
 Supervised By :Mahesh Dadoda 06/07/2022

Quant Time: Jun 07 01:14:57 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	7.967	168	296358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	498276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	481813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	249186	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	166466	50.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.660%	
35) Dibromofluoromethane	7.903	113	178336	54.239	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.480%	
50) Toluene-d8	10.332	98	629098	51.905	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.800%	
62) 4-Bromofluorobenzene	12.620	95	242607	57.037	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.080%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	155683	52.572	ug/l	97
3) Chloromethane	2.203	50	143852	42.960	ug/l	98
4) Vinyl Chloride	2.344	62	141862	46.331	ug/l	96
5) Bromomethane	2.750	94	90657	45.849	ug/l	97
6) Chloroethane	2.909	64	87830	46.661	ug/l	93
7) Trichlorofluoromethane	3.262	101	278503	51.440	ug/l	100
8) Diethyl Ether	3.703	74	83556	56.163	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.085	101	162730	50.374	ug/l	94
10) Methyl Iodide	4.291	142	165216	47.403	ug/l	99
11) Tert butyl alcohol	5.220	59	51710	101.763	ug/l	99
12) 1,1-Dichloroethene	4.056	96	151079	50.726	ug/l	88
13) Acrolein	3.915	56	23366	106.232	ug/l	97
14) Allyl chloride	4.703	41	236894	49.276	ug/l #	91
15) Acrylonitrile	5.415	53	183561	269.822	ug/l	96
16) Acetone	4.150	43	132554	233.660	ug/l #	88
17) Carbon Disulfide	4.403	76	455353	46.120	ug/l	98
18) Methyl Acetate	4.715	43	82433	52.256	ug/l	91
19) Methyl tert-butyl Ether	5.473	73	378680	55.811	ug/l	98
20) Methylene Chloride	4.956	84	191084	53.374	ug/l #	84
21) trans-1,2-Dichloroethene	5.462	96	182867	50.782	ug/l	85
22) Diisopropyl ether	6.362	45	521976	51.794	ug/l #	89
23) Vinyl Acetate	6.297	43	1434156	266.792	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	320017	49.471	ug/l	99
25) 2-Butanone	7.203	43	212926	256.546	ug/l #	89
26) 2,2-Dichloropropane	7.203	77	251824	45.648	ug/l	95
27) cis-1,2-Dichloroethene	7.203	96	205744	51.635	ug/l	90
28) Bromochloromethane	7.538	49	96055	43.101	ug/l #	77
29) Tetrahydrofuran	7.556	42	141025	262.776	ug/l #	88
30) Chloroform	7.703	83	350202	51.856	ug/l	97
31) Cyclohexane	7.979	56	263660	46.067	ug/l	89
32) 1,1,1-Trichloroethane	7.897	97	298596	50.553	ug/l	96
36) 1,1-Dichloropropene	8.103	75	245969	49.741	ug/l	96
37) Ethyl Acetate	7.285	43	100591	51.499	ug/l #	92
38) Carbon Tetrachloride	8.085	117	267818	53.428	ug/l	99
39) Methylcyclohexane	9.350	83	283370	51.419	ug/l	97
40) Benzene	8.344	78	725495	50.906	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.509	41	54868	48.213	ug/l #	80
42) 1,2-Dichloroethane	8.414	62	207241	52.261	ug/l	96
43) Isopropyl Acetate	8.444	43	196986	54.562	ug/l #	91
44) Trichloroethene	9.103	130	198025	52.106	ug/l	97
45) 1,2-Dichloropropane	9.379	63	185235	51.610	ug/l	99
46) Dibromomethane	9.461	93	102305	51.900	ug/l	96
47) Bromodichloromethane	9.655	83	259548	51.460	ug/l #	96
48) Methyl methacrylate	9.450	41	96209	52.967	ug/l #	86
49) 1,4-Dioxane	9.455	88	24114	1184.576	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	514958	274.624	ug/l	91
52) Toluene	10.391	92	482271	53.551	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	241522	53.005	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	287379	52.703	ug/l #	85
55) 1,1,2-Trichloroethane	10.791	97	145844	54.714	ug/l	98
56) Ethyl methacrylate	10.650	69	176650	59.604	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	242235	54.160	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	374061	264.301	ug/l	94
59) 2-Hexanone	10.973	43	349147	282.424	ug/l	92
60) Dibromochloromethane	11.126	129	185195	55.718	ug/l	99
61) 1,2-Dibromoethane	11.238	107	139698	54.845	ug/l	99
64) Tetrachloroethene	10.867	164	164353	52.080	ug/l	89
65) Chlorobenzene	11.661	112	515712	52.175	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	195510	53.334	ug/l	98
67) Ethyl Benzene	11.732	91	906364	52.235	ug/l	97
68) m/p-Xylenes	11.844	106	717862	106.487	ug/l	99
69) o-Xylene	12.167	106	338562	54.669	ug/l	97
70) Styrene	12.185	104	599963	56.309	ug/l	97
71) Bromoform	12.349	173	107769	57.122	ug/l #	99
73) Isopropylbenzene	12.467	105	888374	50.009	ug/l	98
74) N-amyl acetate	12.273	43	201093	51.891	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.714	83	164496	50.208	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	132469m	54.181	ug/l	
77) Bromobenzene	12.749	156	210549	50.350	ug/l	92
78) n-propylbenzene	12.808	91	1104107	49.508	ug/l	98
79) 2-Chlorotoluene	12.896	91	635424	49.347	ug/l	94
80) 1,3,5-Trimethylbenzene	12.944	105	775315	51.522	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	50651	49.734	ug/l	86
82) 4-Chlorotoluene	12.991	91	679147	50.319	ug/l	98
83) tert-Butylbenzene	13.208	119	641990	50.620	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	765831	51.515	ug/l	98
85) sec-Butylbenzene	13.385	105	974738	50.335	ug/l	98
86) p-Isopropyltoluene	13.496	119	815632	51.669	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	433655	51.449	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	425012	49.951	ug/l	100
89) n-Butylbenzene	13.826	91	764769	50.846	ug/l	98
90) Hexachloroethane	14.096	117	163430	50.035	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	380328	52.150	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	25193	50.212	ug/l	87
93) 1,2,4-Trichlorobenzene	15.138	180	231426	55.894	ug/l	99
94) Hexachlorobutadiene	15.249	225	119665	51.289	ug/l	99
95) Naphthalene	15.379	128	440446	53.729	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	201977	55.026	ug/l	99

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

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