

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062022\
 Data File : VD073631.D
 Acq On : 20 Jun 2022 14:10
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/21/2022
 Supervised By :Mahesh Dadoda 06/21/2022

Quant Time: Jun 21 05:02:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 05:00:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	230232	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	384087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	371332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	192058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	29719	11.219	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	22.440%#		
35) Dibromofluoromethane	7.908	113	30238	10.852	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.700%#		
50) Toluene-d8	10.332	98	103426	10.371	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.740%#		
62) 4-Bromofluorobenzene	12.620	95	36305	9.927	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.860%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	25079	11.309	ug/l	89
3) Chloromethane	2.209	50	21978	10.924	ug/l	97
4) Vinyl Chloride	2.350	62	20863	10.999	ug/l	100
5) Bromomethane	2.767	94	16858	11.386	ug/l	94
6) Chloroethane	2.926	64	13824	11.261	ug/l	90
7) Trichlorofluoromethane	3.273	101	47374	10.781	ug/l	99
8) Diethyl Ether	3.709	74	12655	11.039	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	28456	11.210	ug/l	97
10) Methyl Iodide	4.303	142	20882	8.492	ug/l	95
11) Tert butyl alcohol	5.197	59	17732	60.608	ug/l #	76
12) 1,1-Dichloroethene	4.073	96	23343	10.520	ug/l	84
13) Acrolein	3.920	56	2722	35.028	ug/l	85
14) Allyl chloride	4.714	41	30318	9.496	ug/l	95
15) Acrylonitrile	5.420	53	28232	54.285	ug/l	99
16) Acetone	4.150	43	23247	55.200	ug/l	93
17) Carbon Disulfide	4.403	76	69632	10.886	ug/l	100
18) Methyl Acetate	4.720	43	13329	9.890	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	51767	9.860	ug/l	98
20) Methylene Chloride	4.967	84	39856	11.820	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	27057	10.256	ug/l	98
22) Diisopropyl ether	6.361	45	71029	9.915	ug/l	94
23) Vinyl Acetate	6.303	43	187988	51.360	ug/l	100
24) 1,1-Dichloroethane	6.256	63	51317	10.699	ug/l	94
25) 2-Butanone	7.203	43	32141	52.427	ug/l #	84
26) 2,2-Dichloropropane	7.203	77	46203	10.484	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	31230	10.262	ug/l	98
28) Bromochloromethane	7.544	49	17737	9.872	ug/l	100
29) Tetrahydrofuran	7.555	42	17687	46.519	ug/l	95
30) Chloroform	7.702	83	56740	10.449	ug/l	99
31) Cyclohexane	7.985	56	41645	10.333	ug/l #	92
32) 1,1,1-Trichloroethane	7.897	97	50662	10.485	ug/l	95
36) 1,1-Dichloropropene	8.108	75	38578	9.885	ug/l	98
37) Ethyl Acetate	7.291	43	15473	10.304	ug/l #	88
38) Carbon Tetrachloride	8.091	117	45432	10.249	ug/l	99
39) Methylcyclohexane	9.349	83	40647	9.399	ug/l	99
40) Benzene	8.344	78	113349	10.040	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	8299	9.984	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	35889	10.642	ug/l	97
43) Isopropyl Acetate	8.444	43	28115	9.945	ug/l	99
44) Trichloroethene	9.108	130	33049	10.278	ug/l	97
45) 1,2-Dichloropropane	9.379	63	27252	9.606	ug/l	90
46) Dibromomethane	9.467	93	16951	10.522	ug/l	99
47) Bromodichloromethane	9.649	83	43101	10.280	ug/l #	94
48) Methyl methacrylate	9.449	41	13957	9.754	ug/l	98
49) 1,4-Dioxane	9.449	88	3627	203.162	ug/l #	72
51) 4-Methyl-2-Pentanone	10.220	43	69273	47.729	ug/l	97
52) Toluene	10.396	92	72581	9.836	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	37477	9.761	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	44630	9.942	ug/l	96
55) 1,1,2-Trichloroethane	10.791	97	23586	10.368	ug/l	95
56) Ethyl methacrylate	10.649	69	22581	8.995	ug/l	97
57) 1,3-Dichloropropane	10.938	76	36759	9.811	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.932	63	43933	43.515	ug/l	98
59) 2-Hexanone	10.979	43	47623	47.581	ug/l	95
60) Dibromochloromethane	11.126	129	30625	10.326	ug/l	98
61) 1,2-Dibromoethane	11.238	107	22437	10.295	ug/l	99
64) Tetrachloroethene	10.867	164	27686	10.072	ug/l	97
65) Chlorobenzene	11.661	112	85272	10.284	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	32975	10.262	ug/l	98
67) Ethyl Benzene	11.738	91	135460	9.609	ug/l	93
68) m/p-Xylenes	11.843	106	106448	19.175	ug/l	98
69) o-Xylene	12.173	106	47863	9.250	ug/l	97
70) Styrene	12.185	104	83090	9.364	ug/l	98
71) Bromoform	12.349	173	18394	10.513	ug/l #	97
73) Isopropylbenzene	12.467	105	128201	9.251	ug/l	99
74) N-amyl acetate	12.279	43	26186	9.349	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	27520	10.560	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	19156m	10.597	ug/l	
77) Bromobenzene	12.749	156	33956	10.069	ug/l	97
78) n-propylbenzene	12.808	91	157899	9.303	ug/l	98
79) 2-Chlorotoluene	12.896	91	94742	9.516	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	109481	9.250	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	7661	9.511	ug/l	89
82) 4-Chlorotoluene	12.990	91	103093	9.702	ug/l	100
83) tert-Butylbenzene	13.208	119	97160	9.484	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	108175	9.266	ug/l	96
85) sec-Butylbenzene	13.390	105	142997	9.387	ug/l	97
86) p-Isopropyltoluene	13.502	119	117745	9.357	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	71437	10.268	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	69654	10.101	ug/l	97
89) n-Butylbenzene	13.826	91	108868	9.201	ug/l	97
90) Hexachloroethane	14.096	117	26242	9.764	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	60169	10.024	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	4290	10.541	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	32736	9.362	ug/l	99
94) Hexachlorobutadiene	15.249	225	19651	9.917	ug/l	95
95) Naphthalene	15.379	128	52087	8.574	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	28924	9.509	ug/l	99

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

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