

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071122\
 Data File : VD073825.D
 Acq On : 11 Jul 2022 16:12
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 06:39:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 06:36:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	117498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	224394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	206703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	92828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	68546	46.618	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.240%		
35) Dibromofluoromethane	7.902	113	70862	50.152	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.300%		
50) Toluene-d8	10.332	98	216884	45.669	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	91.340%		
62) 4-Bromofluorobenzene	12.620	95	108241	54.079	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	108.160%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	30322	38.452	ug/l	100
3) Chloromethane	2.209	50	34546	33.903	ug/l	100
4) Vinyl Chloride	2.344	62	46636	37.429	ug/l	100
5) Bromomethane	2.750	94	36852	37.731	ug/l	100
6) Chloroethane	2.915	64	37195	39.162	ug/l	100
7) Trichlorofluoromethane	3.262	101	73355	38.094	ug/l	100
8) Diethyl Ether	3.703	74	23159	39.632	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.085	101	46595	38.918	ug/l	100
10) Methyl Iodide	4.291	142	28405	36.637	ug/l	100
11) Tert butyl alcohol	5.185	59	49066m	100.752	ug/l	
12) 1,1-Dichloroethene	4.056	96	35031	37.355	ug/l	100
13) Acrolein	3.920	56	12598	177.027	ug/l	100
14) Allyl chloride	4.709	41	69449	39.159	ug/l	100
15) Acrylonitrile	5.409	53	70103	209.695	ug/l	100
16) Acetone	4.150	43	66615	214.125	ug/l	100
17) Carbon Disulfide	4.397	76	45678	30.124	ug/l	100
18) Methyl Acetate	4.714	43	30324	30.402	ug/l	100
19) Methyl tert-butyl Ether	5.467	73	149155	42.687	ug/l	100
20) Methylene Chloride	4.956	84	58685	22.031	ug/l	100
21) trans-1,2-Dichloroethene	5.456	96	42673	38.005	ug/l	100
22) Diisopropyl ether	6.356	45	203316	44.007	ug/l	100
23) Vinyl Acetate	6.297	43	542966	222.584	ug/l	100
24) 1,1-Dichloroethane	6.256	63	103777	40.350	ug/l	100
25) 2-Butanone	7.203	43	99572	214.356	ug/l	100
26) 2,2-Dichloropropane	7.197	77	100840	41.469	ug/l	100
27) cis-1,2-Dichloroethene	7.197	96	60918	38.825	ug/l	100
28) Bromochloromethane	7.538	49	44034	43.892	ug/l	100
29) Tetrahydrofuran	7.555	42	56795	208.222	ug/l	100
30) Chloroform	7.697	83	120918	42.173	ug/l	100
31) Cyclohexane	7.973	56	62145	33.937	ug/l	100
32) 1,1,1-Trichloroethane	7.897	97	101955	41.979	ug/l	100
36) 1,1-Dichloropropene	8.102	75	68902	39.818	ug/l	100
37) Ethyl Acetate	7.285	43	40509	39.817	ug/l	100
38) Carbon Tetrachloride	8.079	117	81296	41.330	ug/l	100
39) Methylcyclohexane	9.344	83	66405	37.329	ug/l	100
40) Benzene	8.338	78	206098	40.484	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	31221	52.654	ug/l	100
42) 1,2-Dichloroethane	8.408	62	75253	42.931	ug/l	100
43) Isopropyl Acetate	8.444	43	87200	42.342	ug/l	100
44) Trichloroethene	9.102	130	52558	38.813	ug/l	100
45) 1,2-Dichloropropane	9.379	63	62846	42.995	ug/l	100
46) Dibromomethane	9.461	93	34925	41.727	ug/l	100
47) Bromodichloromethane	9.649	83	99926	43.828	ug/l	100
48) Methyl methacrylate	9.444	41	39424	41.961	ug/l	100
49) 1,4-Dioxane	9.449	88	9441	909.196	ug/l	100
51) 4-Methyl-2-Pentanone	10.214	43	233188	216.927	ug/l	100
52) Toluene	10.391	92	141497	41.901	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	90278	43.046	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	98776	42.469	ug/l	100
55) 1,1,2-Trichloroethane	10.791	97	50656	43.247	ug/l	100
56) Ethyl methacrylate	10.649	69	65450	43.775	ug/l	100
57) 1,3-Dichloropropane	10.932	76	88546	43.787	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	114997	195.560	ug/l	100
59) 2-Hexanone	10.973	43	162845	225.616	ug/l	100
60) Dibromochloromethane	11.126	129	65280	44.972	ug/l	100
61) 1,2-Dibromoethane	11.232	107	46665	43.102	ug/l	100
64) Tetrachloroethene	10.867	164	39208	38.271	ug/l	100
65) Chlorobenzene	11.661	112	162384	41.847	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	67360	44.920	ug/l	100
67) Ethyl Benzene	11.732	91	303032	42.852	ug/l	100
68) m/p-Xylenes	11.843	106	225615	84.584	ug/l	100
69) o-Xylene	12.167	106	112105	43.620	ug/l	100
70) Styrene	12.185	104	196339	43.641	ug/l	100
71) Bromoform	12.349	173	35197	46.091	ug/l #	100
73) Isopropylbenzene	12.467	105	311185	44.085	ug/l	100
74) N-amyl acetate	12.273	43	88411	44.635	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.720	83	66070	45.267	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	51582m	49.437	ug/l	
77) Bromobenzene	12.749	156	64651	43.843	ug/l	100
78) n-propylbenzene	12.808	91	396122	44.500	ug/l	100
79) 2-Chlorotoluene	12.890	91	228096	45.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.943	105	264770	44.731	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	20013	45.091	ug/l	100
82) 4-Chlorotoluene	12.990	91	235299	44.534	ug/l	100
83) tert-Butylbenzene	13.208	119	236216	45.177	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	261617	44.623	ug/l	100
85) sec-Butylbenzene	13.385	105	360189	44.733	ug/l	100
86) p-Isopropyltoluene	13.502	119	292869	45.538	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	139914	45.220	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	135839	43.504	ug/l	100
89) n-Butylbenzene	13.826	91	296559	45.600	ug/l	100
90) Hexachloroethane	14.096	117	56689	44.177	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	126259	46.207	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	10586	43.927	ug/l	100
93) 1,2,4-Trichlorobenzene	15.143	180	72060	45.867	ug/l	100
94) Hexachlorobutadiene	15.249	225	33909	44.721	ug/l	100
95) Naphthalene	15.379	128	156576	44.689	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	62785	45.478	ug/l	100

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

