

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032922\
 Data File : VD072463.D
 Acq On : 29 Mar 2022 14:54
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/30/2022
 Supervised By :Semsettin Yesilyurt 03/31/2022

Quant Time: Mar 30 01:47:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 01:44:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	438955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	716820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	669342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	331190	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.326	65	264915	52.854	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.700%	
35) Dibromofluoromethane	7.914	113	281955	54.139	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.280%	
50) Toluene-d8	10.338	98	982504	52.396	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.800%	
62) 4-Bromofluorobenzene	12.626	95	370866	50.923	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.840%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.991	85	195504	49.087	ug/l	99
3) Chloromethane	2.209	50	190499	53.127	ug/l	95
4) Vinyl Chloride	2.350	62	204227	58.546	ug/l	99
5) Bromomethane	2.768	94	140536	60.166	ug/l	98
6) Chloroethane	2.926	64	138780	59.497	ug/l	97
7) Trichlorofluoromethane	3.279	101	435874	55.286	ug/l	99
8) Diethyl Ether	3.715	74	123499	55.794	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.097	101	278937	55.327	ug/l	97
10) Methyl Iodide	4.303	142	251991	62.006	ug/l	99
11) Tert butyl alcohol	5.220	59	71390	246.811	ug/l	97
12) 1,1-Dichloroethene	4.067	96	232295	57.279	ug/l	90
13) Acrolein	3.920	56	19616	85.255	ug/l	100
14) Allyl chloride	4.720	41	372887	53.206	ug/l #	90
15) Acrylonitrile	5.426	53	297988	266.995	ug/l	97
16) Acetone	4.156	43	265521	250.337	ug/l #	89
17) Carbon Disulfide	4.414	76	484072	60.126	ug/l	99
18) Methyl Acetate	4.714	43	128232	48.483	ug/l #	89
19) Methyl tert-butyl Ether	5.479	73	629964	56.293	ug/l	99
20) Methylene Chloride	4.962	84	295386	45.997	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	267614	59.377	ug/l	89
22) Diisopropyl ether	6.367	45	880967	54.258	ug/l	93
23) Vinyl Acetate	6.303	43	2316340	280.060	ug/l #	92
24) 1,1-Dichloroethane	6.267	63	523712	54.760	ug/l	99
25) 2-Butanone	7.208	43	374380	261.125	ug/l #	90
26) 2,2-Dichloropropane	7.203	77	463042	53.874	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	336364	58.000	ug/l	91
28) Bromochloromethane	7.544	49	213762	55.279	ug/l #	79
29) Tetrahydrofuran	7.561	42	229494	271.187	ug/l	89
30) Chloroform	7.708	83	577523	56.115	ug/l	100
31) Cyclohexane	7.985	56	406116	53.683	ug/l	89
32) 1,1,1-Trichloroethane	7.903	97	504854	55.638	ug/l	97
36) 1,1-Dichloropropene	8.108	75	390905	55.478	ug/l	96
37) Ethyl Acetate	7.291	43	161890	51.953	ug/l #	93
38) Carbon Tetrachloride	8.091	117	441985	54.739	ug/l	98
39) Methylcyclohexane	9.355	83	446395	56.606	ug/l	94
40) Benzene	8.350	78	1137629	56.008	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	81627	46.187	ug/l #	66
42) 1,2-Dichloroethane	8.420	62	333560	53.999	ug/l	97
43) Isopropyl Acetate	8.450	43	315423	52.041	ug/l #	92
44) Trichloroethene	9.108	130	320770	56.225	ug/l	95
45) 1,2-Dichloropropane	9.385	63	300336	53.733	ug/l	95
46) Dibromomethane	9.473	93	160821	57.646	ug/l	96
47) Bromodichloromethane	9.655	83	438404	54.486	ug/l #	98
48) Methyl methacrylate	9.450	41	149576	52.407	ug/l #	80
49) 1,4-Dioxane	9.455	88	35367	1063.908	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	839182	262.959	ug/l	90
52) Toluene	10.397	92	760218	56.855	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	403616	54.892	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	472411	55.596	ug/l	90
55) 1,1,2-Trichloroethane	10.796	97	233335	55.097	ug/l	98
56) Ethyl methacrylate	10.655	69	284479	57.296	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	386708	54.644	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	583995	263.405	ug/l	94
59) 2-Hexanone	10.979	43	584872	265.114	ug/l	90
60) Dibromochloromethane	11.132	129	298671	54.446	ug/l	99
61) 1,2-Dibromoethane	11.238	107	211414	55.459	ug/l	100
64) Tetrachloroethene	10.873	164	247051	52.951	ug/l	93
65) Chlorobenzene	11.667	112	823453	55.198	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	322198	54.470	ug/l	100
67) Ethyl Benzene	11.738	91	1488756	56.020	ug/l	99
68) m/p-Xylenes	11.849	106	1136195	112.632	ug/l	99
69) o-Xylene	12.173	106	538933	55.908	ug/l	97
70) Styrene	12.185	104	955433	56.285	ug/l	97
71) Bromoform	12.355	173	167426	52.893	ug/l #	100
73) Isopropylbenzene	12.473	105	1509844	57.136	ug/l	100
74) N-amyl acetate	12.279	43	308595	54.158	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	257295	53.765	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	212063m	56.754	ug/l	
77) Bromobenzene	12.755	156	328984	55.078	ug/l	92
78) n-propylbenzene	12.814	91	1824005	56.816	ug/l	99
79) 2-Chlorotoluene	12.896	91	1044701	56.020	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1262607	55.567	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	79865	53.495	ug/l	89
82) 4-Chlorotoluene	12.996	91	1067785	55.453	ug/l	99
83) tert-Butylbenzene	13.214	119	1091859	54.998	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	1223671	54.780	ug/l	99
85) sec-Butylbenzene	13.390	105	1665203	55.816	ug/l	99
86) p-Isopropyltoluene	13.508	119	1355882	55.367	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	658342	52.914	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	657038	53.188	ug/l	99
89) n-Butylbenzene	13.832	91	1296830	55.623	ug/l	99
90) Hexachloroethane	14.102	117	261637	54.180	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	586246	53.721	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	38686	51.355	ug/l	87
93) 1,2,4-Trichlorobenzene	15.149	180	367032	51.373	ug/l	99
94) Hexachlorobutadiene	15.255	225	199786	48.742	ug/l	99
95) Naphthalene	15.384	128	698270	55.615	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	317897	51.275	ug/l	99

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

