

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072591.D
 Acq On : 18 Apr 2022 11:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

04/19/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Apr 19 02:48:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	358967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	546706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	524721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	279586	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	196590	45.272	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.540%
35) Dibromofluoromethane	7.914	113	215077	50.622	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.240%
50) Toluene-d8	10.332	98	746522	50.548	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.100%
62) 4-Bromofluorobenzene	12.620	95	295183	51.178	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.360%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	130578	45.835	ug/l	96
3) Chloromethane	2.209	50	124552	47.267	ug/l	97
4) Vinyl Chloride	2.350	62	134422	44.489	ug/l	98
5) Bromomethane	2.768	94	98537	48.528	ug/l	98
6) Chloroethane	2.921	64	94753	48.822	ug/l	98
7) Trichlorofluoromethane	3.273	101	307893	49.792	ug/l	95
8) Diethyl Ether	3.709	74	87800	47.779	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.097	101	203494	49.344	ug/l	96
10) Methyl Iodide	4.303	142	149300	39.672	ug/l	100
11) Tert butyl alcohol	5.220	59	61190	266.834	ug/l	99
12) 1,1-Dichloroethene	4.068	96	157894	48.972	ug/l	88
13) Acrolein	3.926	56	11041	108.497	ug/l	89
14) Allyl chloride	4.720	41	231515	41.097	ug/l #	90
15) Acrylonitrile	5.415	53	221250	240.751	ug/l	98
16) Acetone	4.156	43	192227	237.401	ug/l #	85
17) Carbon Disulfide	4.415	76	317521	45.801	ug/l	98
18) Methyl Acetate	4.720	43	95929	42.053	ug/l #	88
19) Methyl tert-butyl Ether	5.473	73	461137	49.002	ug/l	97
20) Methylene Chloride	4.968	84	208246	43.201	ug/l	84
21) trans-1,2-Dichloroethene	5.473	96	186974	47.549	ug/l	87
22) Diisopropyl ether	6.362	45	612122	47.254	ug/l	93
23) Vinyl Acetate	6.303	43	1631637	234.580	ug/l #	91
24) 1,1-Dichloroethane	6.267	63	373008	47.786	ug/l	96
25) 2-Butanone	7.209	43	268513	239.774	ug/l #	82
26) 2,2-Dichloropropane	7.203	77	345205	49.789	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	235925	48.194	ug/l	89
28) Bromochloromethane	7.538	49	154217	46.109	ug/l #	72
29) Tetrahydrofuran	7.561	42	169914	251.312	ug/l	89
30) Chloroform	7.709	83	424848	48.384	ug/l	99
31) Cyclohexane	7.979	56	271107	47.747	ug/l	87
32) 1,1,1-Trichloroethane	7.903	97	373158	50.105	ug/l	95
36) 1,1-Dichloropropene	8.108	75	273623	50.387	ug/l	96
37) Ethyl Acetate	7.291	43	117623	52.248	ug/l #	93
38) Carbon Tetrachloride	8.091	117	324300	55.405	ug/l	99
39) Methylcyclohexane	9.350	83	299150	47.465	ug/l	98
40) Benzene	8.350	78	805686	54.299	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	67651	51.372	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	242320	53.430	ug/l	95
43) Isopropyl Acetate	8.450	43	229460	53.136	ug/l #	91
44) Trichloroethene	9.108	130	226214	53.700	ug/l	98
45) 1,2-Dichloropropane	9.379	63	216340	52.413	ug/l	95
46) Dibromomethane	9.467	93	121385	56.053	ug/l	94
47) Bromodichloromethane	9.655	83	334636	53.788	ug/l	98
48) Methyl methacrylate	9.450	41	105876	50.501	ug/l #	76
49) 1,4-Dioxane	9.456	88	28217	1095.373	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	633060	273.211	ug/l	90
52) Toluene	10.397	92	545182	55.307	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	297338	54.846	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	341986	53.354	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	182909	55.713	ug/l	99
56) Ethyl methacrylate	10.655	69	207217	51.301	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	300654	55.395	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	437544	269.949	ug/l	91
59) 2-Hexanone	10.973	43	447742	284.158	ug/l	91
60) Dibromochloromethane	11.132	129	236757	55.906	ug/l	96
61) 1,2-Dibromoethane	11.238	107	167915	57.606	ug/l	98
64) Tetrachloroethene	10.867	164	188302	54.925	ug/l	95
65) Chlorobenzene	11.661	112	611575	52.131	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	246313	52.516	ug/l	99
67) Ethyl Benzene	11.738	91	1075501	52.540	ug/l	97
68) m/p-Xylenes	11.844	106	844073	108.689	ug/l	99
69) o-Xylene	12.167	106	396218	52.879	ug/l	98
70) Styrene	12.185	104	711558	53.884	ug/l	97
71) Bromoform	12.349	173	138591	55.739	ug/l #	100
73) Isopropylbenzene	12.467	105	1124117	49.785	ug/l	100
74) N-amyl acetate	12.279	43	229115	48.360	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.720	83	213538	49.929	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	155971m	51.149	ug/l	
77) Bromobenzene	12.749	156	256718	50.725	ug/l	91
78) n-propylbenzene	12.808	91	1376177	50.522	ug/l	99
79) 2-Chlorotoluene	12.896	91	778335	48.860	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	953404	49.302	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	63974	51.480	ug/l	87
82) 4-Chlorotoluene	12.991	91	817967	49.303	ug/l	98
83) tert-Butylbenzene	13.208	119	846505	50.563	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	946129	50.033	ug/l	99
85) sec-Butylbenzene	13.391	105	1259172	49.933	ug/l	99
86) p-Isopropyltoluene	13.502	119	1036166	50.270	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	528826	50.427	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	512644	48.502	ug/l	98
89) n-Butylbenzene	13.832	91	978421	49.829	ug/l	99
90) Hexachloroethane	14.096	117	206606	48.963	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	462366	49.988	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	35466	56.071	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	288264	50.279	ug/l	100
94) Hexachlorobutadiene	15.249	225	164012	51.071	ug/l	98
95) Naphthalene	15.379	128	540638	48.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	254112	50.783	ug/l	99

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

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