

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051622\
 Data File : VD073050.D
 Acq On : 16 May 2022 22:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/17/2022
 Supervised By : Mahesh Dadoda 05/17/2022

Quant Time: May 17 03:32:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	310785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	524552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	507112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	244254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	183193	45.410	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.820%		
35) Dibromofluoromethane	7.909	113	182492	49.537	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.080%		
50) Toluene-d8	10.332	98	659971	49.942	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.880%		
62) 4-Bromofluorobenzene	12.620	95	246297	49.985	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	168010	39.121	ug/l	97
3) Chloromethane	2.209	50	171331	38.361	ug/l	99
4) Vinyl Chloride	2.344	62	160158	39.963	ug/l	99
5) Bromomethane	2.756	94	105962	42.761	ug/l	95
6) Chloroethane	2.915	64	101114	40.482	ug/l	98
7) Trichlorofluoromethane	3.268	101	301980	43.031	ug/l	99
8) Diethyl Ether	3.709	74	90042	44.754	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.085	101	183842	44.125	ug/l	98
10) Methyl Iodide	4.297	142	175728	42.028	ug/l	99
11) Tert butyl alcohol	5.221	59	84420	241.860	ug/l #	94
12) 1,1-Dichloroethene	4.062	96	164861	43.992	ug/l	89
13) Acrolein	3.921	56	14111	44.336	ug/l	97
14) Allyl chloride	4.709	41	286449	47.345	ug/l	91
15) Acrylonitrile	5.415	53	224487	234.780	ug/l	98
16) Acetone	4.156	43	166702	219.044	ug/l	95
17) Carbon Disulfide	4.403	76	458318	38.896	ug/l	99
18) Methyl Acetate	4.709	43	107716	49.063	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	444439	49.471	ug/l	99
20) Methylene Chloride	4.956	84	230830	47.525	ug/l	92
21) trans-1,2-Dichloroethene	5.468	96	197494	45.951	ug/l	88
22) Diisopropyl ether	6.356	45	639434	48.044	ug/l	94
23) Vinyl Acetate	6.303	43	1771036	240.883	ug/l	96
24) 1,1-Dichloroethane	6.256	63	375856	47.004	ug/l	98
25) 2-Butanone	7.203	43	273399	232.591	ug/l	95
26) 2,2-Dichloropropane	7.203	77	292828	43.318	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	231370	47.002	ug/l	91
28) Bromochloromethane	7.538	49	148743	49.882	ug/l #	84
29) Tetrahydrofuran	7.556	42	185004	246.924	ug/l	94
30) Chloroform	7.703	83	397143	46.938	ug/l	99
31) Cyclohexane	7.979	56	296114	41.989	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	337818	46.847	ug/l	97
36) 1,1-Dichloropropene	8.103	75	276854	46.217	ug/l	97
37) Ethyl Acetate	7.291	43	131063	47.595	ug/l	97
38) Carbon Tetrachloride	8.091	117	284830	45.806	ug/l	97
39) Methylcyclohexane	9.350	83	311280	44.800	ug/l	96
40) Benzene	8.344	78	818662	47.325	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.515	41	68649	41.867	ug/l #	85
42) 1,2-Dichloroethane	8.414	62	237059	45.475	ug/l	96
43) Isopropyl Acetate	8.444	43	250175	49.222	ug/l #	94
44) Trichloroethene	9.109	130	210148	45.408	ug/l	96
45) 1,2-Dichloropropane	9.379	63	214576	47.232	ug/l	96
46) Dibromomethane	9.467	93	116302	46.409	ug/l	97
47) Bromodichloromethane	9.656	83	302689	46.952	ug/l	97
48) Methyl methacrylate	9.450	41	129236	51.975	ug/l	94
49) 1,4-Dioxane	9.456	88	26611	942.985	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	672439	254.605	ug/l	94
52) Toluene	10.397	92	530463	49.158	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	278663	47.059	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	323725	47.055	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	162939	48.096	ug/l	97
56) Ethyl methacrylate	10.650	69	204865	51.360	ug/l	89
57) 1,3-Dichloropropane	10.938	76	280340	48.221	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	517035	267.350	ug/l	95
59) 2-Hexanone	10.973	43	451591	254.108	ug/l	94
60) Dibromochloromethane	11.132	129	200573	47.031	ug/l	100
61) 1,2-Dibromoethane	11.238	107	155416	47.132	ug/l	98
64) Tetrachloroethene	10.867	164	170034	45.861	ug/l	97
65) Chlorobenzene	11.661	112	560908	47.822	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	212867	48.291	ug/l	99
67) Ethyl Benzene	11.738	91	1018224	50.162	ug/l	99
68) m/p-Xylenes	11.844	106	781478	99.944	ug/l	97
69) o-Xylene	12.167	106	369611	50.614	ug/l	96
70) Styrene	12.185	104	645161	50.991	ug/l	98
71) Bromoform	12.350	173	117480	49.176	ug/l #	98
73) Isopropylbenzene	12.467	105	981210	51.633	ug/l	99
74) N-amyl acetate	12.279	43	243973	51.553	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	191159	49.831	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	135289m	49.673	ug/l	
77) Bromobenzene	12.750	156	224794	49.814	ug/l	95
78) n-propylbenzene	12.808	91	1207164	50.401	ug/l	100
79) 2-Chlorotoluene	12.897	91	688533	49.212	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	825850	51.251	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	57107	48.217	ug/l	92
82) 4-Chlorotoluene	12.991	91	723057	49.462	ug/l	99
83) tert-Butylbenzene	13.208	119	706612	51.579	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	817278	50.741	ug/l	99
85) sec-Butylbenzene	13.385	105	1050916	50.862	ug/l	99
86) p-Isopropyltoluene	13.502	119	864341	51.021	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	446018	49.063	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	437605	48.338	ug/l	99
89) n-Butylbenzene	13.826	91	841114	51.254	ug/l	99
90) Hexachloroethane	14.097	117	174830	50.376	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	390676	49.311	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	28686	47.173	ug/l	91
93) 1,2,4-Trichlorobenzene	15.144	180	236332	50.369	ug/l	98
94) Hexachlorobutadiene	15.249	225	121642	47.470	ug/l	98
95) Naphthalene	15.379	128	464397	53.832	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	209895	50.464	ug/l	99

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

