

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073112.D
 Acq On : 18 May 2022 22:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 19 04:48:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	322860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	560928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	529364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	258147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180142	44.616	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.240%		
35) Dibromofluoromethane	7.909	113	178609	45.351	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.700%		
50) Toluene-d8	10.332	98	671818	47.021	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.040%		
62) 4-Bromofluorobenzene	12.620	95	233632	45.147	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	138649	34.343	ug/l	99
3) Chloromethane	2.209	50	161610	38.829	ug/l	98
4) Vinyl Chloride	2.344	62	147585	38.556	ug/l	100
5) Bromomethane	2.762	94	103604	38.108	ug/l	99
6) Chloroethane	2.915	64	95003	39.856	ug/l	95
7) Trichlorofluoromethane	3.268	101	269522	38.477	ug/l	98
8) Diethyl Ether	3.703	74	81167	42.346	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.085	101	158326	38.168	ug/l	97
10) Methyl Iodide	4.291	142	182326	38.815	ug/l	100
11) Tert butyl alcohol	5.209	59	75310	120.588	ug/l #	94
12) 1,1-Dichloroethene	4.062	96	147719	39.381	ug/l	94
13) Acrolein	3.915	56	60206	162.747	ug/l	98
14) Allyl chloride	4.709	41	252803	42.539	ug/l	92
15) Acrylonitrile	5.415	53	195839	213.182	ug/l	97
16) Acetone	4.156	43	139350	190.717	ug/l	93
17) Carbon Disulfide	4.403	76	500441	39.834	ug/l	98
18) Methyl Acetate	4.709	43	88521	40.409	ug/l #	91
19) Methyl tert-butyl Ether	5.473	73	378932	43.197	ug/l	98
20) Methylene Chloride	4.962	84	208619	39.339	ug/l	89
21) trans-1,2-Dichloroethene	5.462	96	186334	41.761	ug/l	93
22) Diisopropyl ether	6.362	45	562929	44.131	ug/l #	92
23) Vinyl Acetate	6.303	43	1531330	222.219	ug/l	96
24) 1,1-Dichloroethane	6.256	63	339416	42.770	ug/l	99
25) 2-Butanone	7.209	43	230740	208.548	ug/l	95
26) 2,2-Dichloropropane	7.203	77	260550	38.780	ug/l	95
27) cis-1,2-Dichloroethene	7.203	96	208676	42.410	ug/l	92
28) Bromochloromethane	7.538	49	116339	42.797	ug/l #	80
29) Tetrahydrofuran	7.556	42	156166	219.351	ug/l	92
30) Chloroform	7.703	83	356675	42.005	ug/l	98
31) Cyclohexane	7.979	56	276384	38.003	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	298301	41.006	ug/l	97
36) 1,1-Dichloropropene	8.108	75	252875	39.406	ug/l	95
37) Ethyl Acetate	7.291	43	112842	41.871	ug/l	97
38) Carbon Tetrachloride	8.091	117	260420	39.666	ug/l	97
39) Methylcyclohexane	9.350	83	282548	37.760	ug/l	99
40) Benzene	8.344	78	766526	41.775	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	65492	43.096	ug/l	92
42) 1,2-Dichloroethane	8.414	62	215698	40.387	ug/l	95
43) Isopropyl Acetate	8.444	43	209734	41.858	ug/l	93
44) Trichloroethene	9.108	130	201301	40.560	ug/l	99
45) 1,2-Dichloropropane	9.379	63	193315	40.569	ug/l	96
46) Dibromomethane	9.467	93	108376	41.132	ug/l	95
47) Bromodichloromethane	9.655	83	274348	40.996	ug/l	96
48) Methyl methacrylate	9.450	41	107644	43.311	ug/l	89
49) 1,4-Dioxane	9.455	88	24470	892.033	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	560781	214.462	ug/l	94
52) Toluene	10.397	92	499040	42.838	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	250821	41.096	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	297123	41.290	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	146358	40.696	ug/l	98
56) Ethyl methacrylate	10.650	69	179163	44.050	ug/l	88
57) 1,3-Dichloropropane	10.938	76	252119	41.200	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	441420	208.018	ug/l	96
59) 2-Hexanone	10.973	43	379687	219.811	ug/l	93
60) Dibromochloromethane	11.132	129	188997	42.299	ug/l	96
61) 1,2-Dibromoethane	11.238	107	143504	41.467	ug/l	99
64) Tetrachloroethene	10.867	164	161196	41.563	ug/l	99
65) Chlorobenzene	11.661	112	522020	43.491	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	195283	42.591	ug/l	98
67) Ethyl Benzene	11.738	91	934578	44.718	ug/l	100
68) m/p-Xylenes	11.844	106	739083	91.247	ug/l	98
69) o-Xylene	12.167	106	331728	44.411	ug/l	99
70) Styrene	12.185	104	598614	45.883	ug/l	98
71) Bromoform	12.349	173	105907	43.871	ug/l #	98
73) Isopropylbenzene	12.467	105	874716	44.703	ug/l	99
74) N-amyl acetate	12.279	43	205342	44.905	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	167630	43.455	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	118641m	40.656	ug/l	
77) Bromobenzene	12.749	156	208595	44.679	ug/l	94
78) n-propylbenzene	12.808	91	1115353	45.391	ug/l	99
79) 2-Chlorotoluene	12.896	91	647973	45.266	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	770005	46.192	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	52042	42.761	ug/l	90
82) 4-Chlorotoluene	12.991	91	678026	44.754	ug/l	99
83) tert-Butylbenzene	13.208	119	622129	44.060	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	763051	46.009	ug/l	98
85) sec-Butylbenzene	13.385	105	952589	44.445	ug/l	99
86) p-Isopropyltoluene	13.502	119	802180	46.014	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	423848	44.170	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	414297	43.691	ug/l	99
89) n-Butylbenzene	13.826	91	746417	44.026	ug/l	99
90) Hexachloroethane	14.096	117	157812	43.565	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	369252	44.366	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	26449	44.110	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	209352	44.086	ug/l	98
94) Hexachlorobutadiene	15.249	225	109019	41.130	ug/l	99
95) Naphthalene	15.379	128	401860	40.812	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	190811	45.259	ug/l	99

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

