

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051222\
 Data File : VD072966.D
 Acq On : 13 May 2022 00:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 06:00:17 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	287026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	474446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	465451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	231524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	167653	44.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.000%
35) Dibromofluoromethane	7.909	113	175571	52.691	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.380%
50) Toluene-d8	10.332	98	634760	53.107	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.220%
62) 4-Bromofluorobenzene	12.620	95	230394	51.695	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	151233	38.129	ug/l	95
3) Chloromethane	2.209	50	155272	37.643	ug/l	99
4) Vinyl Chloride	2.344	62	145340	39.268	ug/l	98
5) Bromomethane	2.762	94	103489	45.311	ug/l	97
6) Chloroethane	2.921	64	94479	40.957	ug/l	99
7) Trichlorofluoromethane	3.268	101	280126	43.221	ug/l	97
8) Diethyl Ether	3.709	74	78431	42.210	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	173170	45.004	ug/l	97
10) Methyl Iodide	4.291	142	159324	41.259	ug/l	99
11) Tert butyl alcohol	5.215	59	76270	236.598	ug/l #	85
12) 1,1-Dichloroethene	4.062	96	151153	43.673	ug/l	95
13) Acrolein	3.920	56	15643	56.852	ug/l	99
14) Allyl chloride	4.709	41	251208	44.957	ug/l	93
15) Acrylonitrile	5.415	53	197811	224.006	ug/l	96
16) Acetone	4.156	43	138123	194.996	ug/l	91
17) Carbon Disulfide	4.403	76	442157	40.630	ug/l	100
18) Methyl Acetate	4.715	43	91639	45.176	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	382825	46.140	ug/l	97
20) Methylene Chloride	4.962	84	226599	50.968	ug/l	85
21) trans-1,2-Dichloroethene	5.462	96	187236	47.171	ug/l	88
22) Diisopropyl ether	6.362	45	567407	46.161	ug/l #	94
23) Vinyl Acetate	6.303	43	1522261	224.185	ug/l	96
24) 1,1-Dichloroethane	6.262	63	349674	47.349	ug/l	99
25) 2-Butanone	7.209	43	225036	207.294	ug/l	96
26) 2,2-Dichloropropane	7.203	77	266474	42.682	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	214101	47.095	ug/l	92
28) Bromochloromethane	7.538	49	126854	46.063	ug/l #	83
29) Tetrahydrofuran	7.556	42	151745	219.298	ug/l	92
30) Chloroform	7.703	83	367666	47.052	ug/l	100
31) Cyclohexane	7.979	56	271441	41.676	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	316685	47.552	ug/l	96
36) 1,1-Dichloropropene	8.108	75	260592	48.097	ug/l	98
37) Ethyl Acetate	7.291	43	113028	45.380	ug/l	98
38) Carbon Tetrachloride	8.091	117	271527	48.278	ug/l	97
39) Methylcyclohexane	9.350	83	282701	44.983	ug/l	98
40) Benzene	8.344	78	774869	49.524	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	65037	43.854	ug/l	90
42) 1,2-Dichloroethane	8.414	62	222067	47.098	ug/l	97
43) Isopropyl Acetate	8.450	43	207723	45.185	ug/l #	93
44) Trichloroethene	9.108	130	204204	48.783	ug/l	95
45) 1,2-Dichloropropane	9.379	63	199154	48.467	ug/l	98
46) Dibromomethane	9.467	93	107110	47.255	ug/l	97
47) Bromodichloromethane	9.655	83	282812	48.501	ug/l	97
48) Methyl methacrylate	9.450	41	110101	48.956	ug/l	92
49) 1,4-Dioxane	9.455	88	22446	879.396	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	558800	233.923	ug/l	95
52) Toluene	10.397	92	498517	51.076	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	250420	46.756	ug/l	94
54) cis-1,3-Dichloropropene	10.079	75	290807	46.735	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	148797	48.560	ug/l	97
56) Ethyl methacrylate	10.650	69	178022	49.344	ug/l	88
57) 1,3-Dichloropropane	10.938	76	251560	47.841	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	439129	251.046	ug/l	95
59) 2-Hexanone	10.973	43	375832	233.813	ug/l	95
60) Dibromochloromethane	11.132	129	188515	48.872	ug/l	100
61) 1,2-Dibromoethane	11.238	107	141809	47.547	ug/l	99
64) Tetrachloroethene	10.867	164	161666	47.507	ug/l	95
65) Chlorobenzene	11.661	112	527044	48.956	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	199907	49.410	ug/l	99
67) Ethyl Benzene	11.738	91	942057	50.563	ug/l	96
68) m/p-Xylenes	11.844	106	745445	103.869	ug/l	98
69) o-Xylene	12.173	106	346921	51.759	ug/l	96
70) Styrene	12.185	104	611367	52.645	ug/l	97
71) Bromoform	12.349	173	107074	48.832	ug/l #	99
73) Isopropylbenzene	12.467	105	919282	51.034	ug/l	100
74) N-amyl acetate	12.279	43	206121	45.949	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	170312	46.838	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	119330m	46.222	ug/l	
77) Bromobenzene	12.749	156	211217	49.379	ug/l	93
78) n-propylbenzene	12.808	91	1146657	50.507	ug/l	99
79) 2-Chlorotoluene	12.896	91	661362	49.869	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	792481	51.884	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	50758	45.213	ug/l	92
82) 4-Chlorotoluene	12.991	91	692523	49.978	ug/l	100
83) tert-Butylbenzene	13.208	119	653442	50.321	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	782085	51.226	ug/l	99
85) sec-Butylbenzene	13.391	105	1006402	51.385	ug/l	100
86) p-Isopropyltoluene	13.502	119	830197	51.701	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	425190	49.344	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	422683	49.257	ug/l	99
89) n-Butylbenzene	13.826	91	788908	50.716	ug/l	99
90) Hexachloroethane	14.096	117	165560	50.328	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	375865	50.050	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	25902	44.937	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	221915	49.896	ug/l	99
94) Hexachlorobutadiene	15.249	225	117643	48.434	ug/l	97
95) Naphthalene	15.379	128	407767	49.867	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	192674	48.871	ug/l	98

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

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