

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071122\
 Data File : VD073824.D
 Acq On : 11 Jul 2022 12:38
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2022
 Supervised By : Mahesh Dadoda 07/12/2022

Quant Time: Jul 12 06:38:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 12 06:36:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	116909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	222294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	207033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	91482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	34360	23.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.980%#		
35) Dibromofluoromethane	7.908	113	29731	21.241	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	42.480%#		
50) Toluene-d8	10.331	98	118913	25.276	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	50.560%#		
62) 4-Bromofluorobenzene	12.620	95	40910	20.632	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	41.260%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	14946	19.049	ug/l	88
3) Chloromethane	2.208	50	19660	19.391	ug/l	99
4) Vinyl Chloride	2.344	62	25833	20.838	ug/l	93
5) Bromomethane	2.744	94	17001	17.494	ug/l	92
6) Chloroethane	2.908	64	19233	20.352	ug/l	90
7) Trichlorofluoromethane	3.261	101	37589	19.619	ug/l	94
8) Diethyl Ether	3.702	74	10188	17.523	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.085	101	22262	18.688	ug/l	99
10) Methyl Iodide	4.296	142	14884	19.294	ug/l	99
11) Tert butyl alcohol	5.179	59	40133	82.824	ug/l #	100
12) 1,1-Dichloroethene	4.055	96	17443	18.694	ug/l	93
13) Acrolein	3.920	56	5043	71.221	ug/l #	59
14) Allyl chloride	4.708	41	33497	18.982	ug/l	96
15) Acrylonitrile	5.414	53	30386	91.350	ug/l	98
16) Acetone	4.155	43	27199	87.868	ug/l	96
17) Carbon Disulfide	4.402	76	31067	20.591	ug/l	98
18) Methyl Acetate	4.708	43	17065	17.195	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	60605	17.432	ug/l	99
20) Methylene Chloride	4.961	84	32455	12.245	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	20396	18.256	ug/l #	80
22) Diisopropyl ether	6.361	45	84156	18.307	ug/l	94
23) Vinyl Acetate	6.296	43	214043m	88.187	ug/l	
24) 1,1-Dichloroethane	6.255	63	47424	18.532	ug/l	98
25) 2-Butanone	7.202	43	39904	86.337	ug/l	94
26) 2,2-Dichloropropane	7.202	77	43442	17.955	ug/l	98
27) cis-1,2-Dichloroethene	7.202	96	27031	17.314	ug/l	100
28) Bromochloromethane	7.537	49	17207	17.238	ug/l	94
29) Tetrahydrofuran	7.561	42	24793	91.354	ug/l	99
30) Chloroform	7.702	83	52773	18.499	ug/l	97
31) Cyclohexane	7.979	56	33699	18.495	ug/l #	90
32) 1,1,1-Trichloroethane	7.896	97	44864	18.565	ug/l	99
36) 1,1-Dichloropropene	8.102	75	32958	19.226	ug/l	96
37) Ethyl Acetate	7.290	43	18461	18.317	ug/l #	91
38) Carbon Tetrachloride	8.085	117	36785	18.878	ug/l #	95
39) Methylcyclohexane	9.343	83	34844	19.773	ug/l	88
40) Benzene	8.337	78	94361	18.710	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	11285	19.212	ug/l	90
42) 1,2-Dichloroethane	8.414	62	33454	19.265	ug/l	98
43) Isopropyl Acetate	8.449	43	35585	17.443	ug/l	99
44) Trichloroethene	9.108	130	24808	18.493	ug/l	85
45) 1,2-Dichloropropane	9.379	63	27445	18.954	ug/l	97
46) Dibromomethane	9.467	93	15106	18.219	ug/l	97
47) Bromodichloromethane	9.655	83	41584	18.411	ug/l	99
48) Methyl methacrylate	9.449	41	15590	16.750	ug/l	93
49) 1,4-Dioxane	9.455	88	3576	347.633	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	96471	90.591	ug/l	98
52) Toluene	10.396	92	63750	19.056	ug/l	100
53) t-1,3-Dichloropropene	10.608	75	37221	17.915	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	43784	19.003	ug/l	96
55) 1,1,2-Trichloroethane	10.790	97	22429	19.329	ug/l	95
56) Ethyl methacrylate	10.649	69	26422	17.839	ug/l	97
57) 1,3-Dichloropropane	10.931	76	37539	18.739	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.931	63	51367	88.178	ug/l	99
59) 2-Hexanone	10.973	43	66025	92.339	ug/l	99
60) Dibromochloromethane	11.131	129	26650	18.533	ug/l	100
61) 1,2-Dibromoethane	11.237	107	20091	18.732	ug/l	99
64) Tetrachloroethene	10.873	164	18959	18.476	ug/l	94
65) Chlorobenzene	11.661	112	70754	18.205	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.731	131	27164	18.086	ug/l	97
67) Ethyl Benzene	11.731	91	133801	18.891	ug/l	97
68) m/p-Xylenes	11.843	106	95903	35.897	ug/l	98
69) o-Xylene	12.167	106	47861	18.593	ug/l	98
70) Styrene	12.178	104	81359	18.055	ug/l	100
71) Bromoform	12.349	173	14555	19.030	ug/l #	99
73) Isopropylbenzene	12.467	105	130748	18.795	ug/l	99
74) N-amyl acetate	12.278	43	34603	17.727	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	27268	18.957	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	21586m	20.993	ug/l	
77) Bromobenzene	12.749	156	27147	18.681	ug/l	99
78) n-propylbenzene	12.808	91	166290	18.956	ug/l	98
79) 2-Chlorotoluene	12.896	91	91221	18.404	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	108950	18.677	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	7445	17.021	ug/l	87
82) 4-Chlorotoluene	12.990	91	99599	19.128	ug/l	99
83) tert-Butylbenzene	13.208	119	94340	18.308	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	110259	19.083	ug/l	100
85) sec-Butylbenzene	13.384	105	148607	18.728	ug/l	99
86) p-Isopropyltoluene	13.502	119	120472	19.008	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	58259	19.106	ug/l	98
88) 1,4-Dichlorobenzene	13.578	146	57692	18.748	ug/l	98
89) n-Butylbenzene	13.825	91	121535	18.962	ug/l	99
90) Hexachloroethane	14.096	117	22925	18.128	ug/l	96
91) 1,2-Dichlorobenzene	13.872	146	50230	18.653	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.484	75	4380	18.442	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	28150	18.181	ug/l	99
94) Hexachlorobutadiene	15.249	225	14569	19.497	ug/l	94
95) Naphthalene	15.378	128	59818	17.324	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	24698	18.153	ug/l	99

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

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