

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041122\
 Data File : VD072589.D
 Acq On : 11 Apr 2022 17:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/12/2022
 Supervised By : Mahesh Dadoda 04/12/2022

Quant Time: Apr 12 01:03:56 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	7.967	168	397581	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.855	114	640078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	589840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	300743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	225393	46.864	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.720%		
35) Dibromofluoromethane	7.903	113	243841	49.020	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.040%		
50) Toluene-d8	10.332	98	818119	47.315	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.620%		
62) 4-Bromofluorobenzene	12.620	95	327906	48.558	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	160589	50.894	ug/l	100
3) Chloromethane	2.209	50	161967	55.497	ug/l	99
4) Vinyl Chloride	2.350	62	172773	51.476	ug/l	99
5) Bromomethane	2.762	94	120257	53.472	ug/l	90
6) Chloroethane	2.920	64	124152	57.757	ug/l	99
7) Trichlorofluoromethane	3.273	101	388506	56.726	ug/l	98
8) Diethyl Ether	3.703	74	113440	55.737	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.091	101	250179	54.773	ug/l	96
10) Methyl Iodide	4.291	142	206671	48.651	ug/l	97
11) Tert butyl alcohol	5.214	59	73428	289.102	ug/l #	87
12) 1,1-Dichloroethene	4.062	96	205588	57.572	ug/l	91
13) Acrolein	3.926	56	19724	174.998	ug/l	100
14) Allyl chloride	4.709	41	325755	51.905	ug/l #	92
15) Acrylonitrile	5.409	53	280520	275.598	ug/l	98
16) Acetone	4.150	43	234015	260.940	ug/l #	88
17) Carbon Disulfide	4.403	76	399734	51.564	ug/l	100
18) Methyl Acetate	4.714	43	123819	49.007	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	594654	57.052	ug/l	98
20) Methylene Chloride	4.956	84	268873	50.360	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	231722	53.116	ug/l	89
22) Diisopropyl ether	6.361	45	803872	56.029	ug/l #	88
23) Vinyl Acetate	6.297	43	2137378	276.297	ug/l #	93
24) 1,1-Dichloroethane	6.261	63	475808	55.035	ug/l	98
25) 2-Butanone	7.203	43	347888	280.482	ug/l	93
26) 2,2-Dichloropropane	7.197	77	430198	56.022	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	299461	55.232	ug/l	92
28) Bromochloromethane	7.538	49	193141	52.138	ug/l #	79
29) Tetrahydrofuran	7.550	42	213957	285.719	ug/l #	88
30) Chloroform	7.697	83	529561	54.452	ug/l	95
31) Cyclohexane	7.979	56	352448	56.044	ug/l	88
32) 1,1,1-Trichloroethane	7.897	97	469382	56.904	ug/l	95
36) 1,1-Dichloropropene	8.103	75	348326	54.688	ug/l	97
37) Ethyl Acetate	7.285	43	151240	57.381	ug/l #	94
38) Carbon Tetrachloride	8.091	117	401582	58.600	ug/l	100
39) Methylcyclohexane	9.350	83	394452	53.093	ug/l	95
40) Benzene	8.344	78	1013151	58.320	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	76992	49.983	ug/l #	76
42) 1,2-Dichloroethane	8.414	62	304767	57.396	ug/l	96
43) Isopropyl Acetate	8.444	43	303919	60.112	ug/l #	93
44) Trichloroethene	9.102	130	282968	57.374	ug/l	96
45) 1,2-Dichloropropane	9.379	63	275796	57.070	ug/l	94
46) Dibromomethane	9.467	93	149540	58.981	ug/l	96
47) Bromodichloromethane	9.649	83	406399	55.794	ug/l	100
48) Methyl methacrylate	9.450	41	146802	59.807	ug/l #	86
49) 1,4-Dioxane	9.455	88	34567	1146.130	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	811241	299.037	ug/l	93
52) Toluene	10.397	92	680260	58.943	ug/l	95
53) t-1,3-Dichloropropene	10.608	75	369153	58.159	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	429267	57.201	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	221597	57.651	ug/l	98
56) Ethyl methacrylate	10.649	69	268230	56.593	ug/l	84
57) 1,3-Dichloropropane	10.938	76	359745	56.613	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	523084	275.646	ug/l	93
59) 2-Hexanone	10.973	43	561113	304.161	ug/l	93
60) Dibromochloromethane	11.132	129	279828	56.437	ug/l	99
61) 1,2-Dibromoethane	11.238	107	200415	58.726	ug/l	98
64) Tetrachloroethene	10.867	164	225549	58.527	ug/l	95
65) Chlorobenzene	11.661	112	738591	56.008	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	299495	56.805	ug/l	100
67) Ethyl Benzene	11.738	91	1348787	58.616	ug/l	98
68) m/p-Xylenes	11.844	106	1027021	117.647	ug/l	99
69) o-Xylene	12.167	106	492104	58.425	ug/l	97
70) Styrene	12.185	104	870845	58.665	ug/l	97
71) Bromoform	12.349	173	162257	58.053	ug/l #	99
73) Isopropylbenzene	12.467	105	1366950	56.280	ug/l	99
74) N-amyl acetate	12.279	43	291934	57.285	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	247680	53.838	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	146442m	44.646	ug/l	
77) Bromobenzene	12.749	156	303511	55.752	ug/l	93
78) n-propylbenzene	12.808	91	1649106	56.282	ug/l	98
79) 2-Chlorotoluene	12.896	91	935479	54.593	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1147306	55.155	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	78716	58.887	ug/l	88
82) 4-Chlorotoluene	12.991	91	978948	54.855	ug/l	100
83) tert-Butylbenzene	13.208	119	1036277	57.544	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	1134001	55.749	ug/l	99
85) sec-Butylbenzene	13.390	105	1532628	56.501	ug/l	100
86) p-Isopropyltoluene	13.502	119	1256978	56.693	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	613412	54.378	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	601076	52.868	ug/l	99
89) n-Butylbenzene	13.826	91	1190318	56.356	ug/l	98
90) Hexachloroethane	14.096	117	247457	54.519	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	541459	54.421	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	39327	57.801	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	344458	55.854	ug/l	100
94) Hexachlorobutadiene	15.249	225	192494	55.723	ug/l	98
95) Naphthalene	15.384	128	646807	53.976	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	303371	56.362	ug/l	99

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

