

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010322\
 Data File : VD071561.D
 Acq On : 03 Jan 2022 11:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 03 15:55:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

01/04/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	348792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	574932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	524676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	249851	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	224762	48.521	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.040%
35) Dibromofluoromethane	7.908	113	204713	52.980	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.960%
50) Toluene-d8	10.332	98	757326	51.864	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.720%
62) 4-Bromofluorobenzene	12.626	95	270267	52.086	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.180%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	178478	48.834	ug/l	97
3) Chloromethane	2.215	50	209268	44.717	ug/l	98
4) Vinyl Chloride	2.356	62	248726	44.351	ug/l	97
5) Bromomethane	2.779	94	177597	45.267	ug/l	94
6) Chloroethane	2.926	64	172156	46.256	ug/l	96
7) Trichlorofluoromethane	3.279	101	375229	54.654	ug/l	97
8) Diethyl Ether	3.709	74	97171	49.439	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.103	101	218881	54.799	ug/l	95
10) Methyl Iodide	4.303	142	229960	59.202	ug/l	94
11) Tert butyl alcohol	5.208	59	56632	141.107	ug/l #	90
12) 1,1-Dichloroethene	4.073	96	189889	52.256	ug/l #	78
13) Acrolein	3.926	56	37655	168.276	ug/l	98
14) Allyl chloride	4.714	41	376244	54.741	ug/l #	79
15) Acrylonitrile	5.414	53	247496	255.695	ug/l	96
16) Acetone	4.156	43	315382	271.057	ug/l #	83
17) Carbon Disulfide	4.414	76	521741	44.066	ug/l	100
18) Methyl Acetate	4.714	43	179622	50.017	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	497712	53.058	ug/l	99
20) Methylene Chloride	4.961	84	236807	54.311	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	218055	51.808	ug/l	88
22) Diisopropyl ether	6.361	45	783030	55.962	ug/l	93
23) Vinyl Acetate	6.303	43	1952100	270.633	ug/l	97
24) 1,1-Dichloroethane	6.261	63	449625	56.053	ug/l	100
25) 2-Butanone	7.208	43	353441	254.314	ug/l #	88
26) 2,2-Dichloropropane	7.208	77	396134	60.103	ug/l	94
27) cis-1,2-Dichloroethene	7.208	96	257458	55.304	ug/l	91
28) Bromochloromethane	7.544	49	154357	46.958	ug/l	89
29) Tetrahydrofuran	7.561	42	208875	250.318	ug/l	94
30) Chloroform	7.708	83	456672	56.423	ug/l	97
31) Cyclohexane	7.985	56	378712	48.127	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	418838	58.349	ug/l	95
36) 1,1-Dichloropropene	8.114	75	340842	55.213	ug/l	97
37) Ethyl Acetate	7.285	43	146680	51.467	ug/l #	93
38) Carbon Tetrachloride	8.097	117	364813	59.899	ug/l	96
39) Methylcyclohexane	9.349	83	386264	53.452	ug/l	98
40) Benzene	8.349	78	923647	55.657	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	88466	52.259	ug/l #	83
42) 1,2-Dichloroethane	8.420	62	294345	54.392	ug/l	93
43) Isopropyl Acetate	8.449	43	294489	52.068	ug/l #	90
44) Trichloroethene	9.108	130	241767	55.905	ug/l	91
45) 1,2-Dichloropropane	9.385	63	242403	56.290	ug/l	100
46) Dibromomethane	9.473	93	128362	53.954	ug/l	93
47) Bromodichloromethane	9.655	83	350159	57.971	ug/l	98
48) Methyl methacrylate	9.449	41	148076	52.907	ug/l #	81
49) 1,4-Dioxane	9.461	88	27166	1010.462	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	768267	258.189	ug/l	90
52) Toluene	10.396	92	601201	57.029	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	320888	56.891	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	369327	56.664	ug/l #	80
55) 1,1,2-Trichloroethane	10.796	97	167028	55.310	ug/l	94
56) Ethyl methacrylate	10.655	69	216899	54.581	ug/l #	72
57) 1,3-Dichloropropane	10.943	76	297741	53.827	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	459534	241.407	ug/l	99
59) 2-Hexanone	10.979	43	559230	265.881	ug/l	88
60) Dibromochloromethane	11.132	129	215709	56.823	ug/l	100
61) 1,2-Dibromoethane	11.243	107	161328	53.937	ug/l	99
64) Tetrachloroethene	10.873	164	194994	53.481	ug/l	97
65) Chlorobenzene	11.661	112	611040	56.776	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	233405	59.365	ug/l	98
67) Ethyl Benzene	11.738	91	1178480	58.838	ug/l	98
68) m/p-Xylenes	11.849	106	891987	117.220	ug/l	94
69) o-Xylene	12.173	106	414875	59.646	ug/l	94
70) Styrene	12.185	104	715948	59.251	ug/l	97
71) Bromoform	12.349	173	120229	56.510	ug/l #	99
73) Isopropylbenzene	12.473	105	1149263	59.663	ug/l	99
74) N-amyl acetate	12.279	43	277940	53.781	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	187507	53.842	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	136920m	46.121	ug/l	
77) Bromobenzene	12.749	156	237694	55.454	ug/l	97
78) n-propylbenzene	12.814	91	1436086	59.479	ug/l	100
79) 2-Chlorotoluene	12.896	91	788902	58.466	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	957389	60.258	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	53843	51.247	ug/l #	75
82) 4-Chlorotoluene	12.996	91	826811	59.074	ug/l	99
83) tert-Butylbenzene	13.214	119	808192	59.529	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	930494	59.174	ug/l	97
85) sec-Butylbenzene	13.390	105	1246018	60.201	ug/l	100
86) p-Isopropyltoluene	13.508	119	1027317	59.820	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	481526	55.782	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	477830	56.453	ug/l	99
89) n-Butylbenzene	13.832	91	1007858	59.792	ug/l	99
90) Hexachloroethane	14.102	117	195915	60.220	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	412948	56.367	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	31321	51.861	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	255598	57.252	ug/l	97
94) Hexachlorobutadiene	15.249	225	141723	59.258	ug/l	100
95) Naphthalene	15.384	128	461995	54.367	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	210810	54.594	ug/l	97

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

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