

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069095.D
 Acq On : 07 May 2021 11:10
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 5/10/2021 11:00:36 AM

Quant Time: May 08 00:05:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	253909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	407580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	401973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	212372	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	145520	44.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.94%		
35) Dibromofluoromethane	7.914	113	154049	55.12	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	110.24%		
50) Toluene-d8	10.338	98	574560	55.68	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	111.36%		
62) 4-Bromofluorobenzene	12.626	95	186618	54.98	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	109.96%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	134847	43.67	ug/l	99
3) Chloromethane	2.209	50	162848	42.85	ug/l	95
4) Vinyl Chloride	2.344	62	220841	43.94	ug/l	97
5) Bromomethane	2.756	94	137481	45.98	ug/l	100
6) Chloroethane	2.915	64	135338	46.31	ug/l	93
7) Trichlorofluoromethane	3.262	101	258090	46.77	ug/l	98
8) Diethyl Ether	3.709	74	58893	43.93	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	146518	49.58	ug/l	97
10) Methyl Iodide	4.291	142	117869	44.59	ug/l	96
11) Tert butyl alcohol	5.220	59	40020	176.78	ug/l	100
12) 1,1-Dichloroethene	4.062	96	127157	47.79	ug/l	97
13) Acrolein	3.920	56	35357	180.31	ug/l	99
14) Allyl chloride	4.709	41	140491	40.97	ug/l #	92
15) Acrylonitrile	5.414	53	124025	212.82	ug/l	98
16) Acetone	4.156	43	112284	243.73	ug/l	98
17) Carbon Disulfide	4.403	76	413521	45.97	ug/l	100
18) Methyl Acetate	4.714	43	54323	42.62	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	280398	46.10	ug/l	95
20) Methylene Chloride	4.962	84	173413	54.71	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	157275	49.75	ug/l	89
22) Diisopropyl ether	6.361	45	330879	43.24	ug/l	97
23) Vinyl Acetate	6.303	43	927657	212.01	ug/l	95
24) 1,1-Dichloroethane	6.261	63	249258	46.11	ug/l	98
25) 2-Butanone	7.208	43	143963	205.79	ug/l #	88
26) 2,2-Dichloropropane	7.208	77	235651	46.67	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	171228	50.18	ug/l	93
28) Bromochloromethane	7.544	49	99932	45.79	ug/l	84
29) Tetrahydrofuran	7.561	42	88407	205.43	ug/l	93
30) Chloroform	7.708	83	286023	47.31	ug/l	99
31) Cyclohexane	7.985	56	203601	42.90	ug/l	90
32) 1,1,1-Trichloroethane	7.903	97	256547	46.47	ug/l	97
36) 1,1-Dichloropropene	8.108	75	213408	49.76	ug/l	97
37) Ethyl Acetate	7.297	43	67291	41.62	ug/l #	94
38) Carbon Tetrachloride	8.091	117	235938	50.73	ug/l	97
39) Methylcyclohexane	9.355	83	248916	53.09	ug/l	99
40) Benzene	8.350	78	606473	51.11	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	37772m	40.30	ug/l	
42) 1,2-Dichloroethane	8.420	62	173076	46.66	ug/l	97
43) Isopropyl Acetate	8.450	43	124482	41.06	ug/l	91
44) Trichloroethene	9.108	130	167414	53.07	ug/l	97
45) 1,2-Dichloropropane	9.385	63	145519	49.81	ug/l	94
46) Dibromomethane	9.473	93	85992	51.21	ug/l	92
47) Bromodichloromethane	9.661	83	222654	50.43	ug/l	94
48) Methyl methacrylate	9.455	41	67084	44.89	ug/l	91
49) 1,4-Dioxane	9.461	88	19474	1002.99	ug/l #	91
51) 4-Methyl-2-Pentanone	10.226	43	339783	218.97	ug/l	93
52) Toluene	10.402	92	403217	53.55	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	193932	50.54	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	227384	50.12	ug/l	92
55) 1,1,2-Trichloroethane	10.797	97	116555	52.27	ug/l	91
56) Ethyl methacrylate	10.661	69	123955	46.34	ug/l	89
57) 1,3-Dichloropropane	10.944	76	192443	51.20	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	331362	256.63	ug/l	96
59) 2-Hexanone	10.985	43	237278	226.56	ug/l	93
60) Dibromochloromethane	11.138	129	158689	53.48	ug/l	99
61) 1,2-Dibromoethane	11.244	107	114271	52.79	ug/l	97
64) Tetrachloroethene	10.873	164	144765	55.88	ug/l	95
65) Chlorobenzene	11.667	112	435609	53.10	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	165619	53.35	ug/l	97
67) Ethyl Benzene	11.744	91	772434	53.11	ug/l	99
68) m/p-Xylenes	11.849	106	602612	110.18	ug/l	96
69) o-Xylene	12.179	106	271549	55.38	ug/l	96
70) Styrene	12.191	104	481134	55.56	ug/l	97
71) Bromoform	12.355	173	88978	55.92	ug/l #	99
73) Isopropylbenzene	12.479	105	744426	50.64	ug/l	99
74) N-amyl acetate	12.285	43	123881	40.13	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.726	83	130787	45.38	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	93334m	50.48	ug/l	
77) Bromobenzene	12.755	156	172402	50.66	ug/l	93
78) n-propylbenzene	12.814	91	916671	50.76	ug/l	98
79) 2-Chlorotoluene	12.902	91	501405	49.79	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	643319	51.41	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	38150	44.90	ug/l	94
82) 4-Chlorotoluene	13.002	91	523590	48.57	ug/l	98
83) tert-Butylbenzene	13.220	119	528931	51.87	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	658365	52.66	ug/l	99
85) sec-Butylbenzene	13.396	105	759132	51.43	ug/l	99
86) p-Isopropyltoluene	13.508	119	716752	52.61	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	351028	51.40	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	347874	51.68	ug/l	98
89) n-Butylbenzene	13.838	91	664269	51.38	ug/l	98
90) Hexachloroethane	14.108	117	138807	49.56	ug/l	91
91) 1,2-Dichlorobenzene	13.885	146	302673	50.97	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	19619	41.39	ug/l	87
93) 1,2,4-Trichlorobenzene	15.155	180	190108	53.97	ug/l	96
94) Hexachlorobutadiene	15.261	225	116403	57.06	ug/l	98
95) Naphthalene	15.390	128	329427	45.81	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	167778	55.14	ug/l	98

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

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