

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061121\
 Data File : VD069411.D
 Acq On : 11 Jun 2021 10:32
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 10:56:18 AM

Quant Time: Jun 11 12:12:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:10:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	373238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	626791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	591817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	292829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	40988	9.619	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.240%#		
35) Dibromofluoromethane	7.908	113	43556	9.256	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.520%#		
50) Toluene-d8	10.338	98	154666	9.269	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.540%#		
62) 4-Bromofluorobenzene	12.626	95	47604	9.048	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.100%#		
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.991	85	36943	9.593	ug/l	100
3) Chloromethane	2.209	50	36247	9.297	ug/l	99
4) Vinyl Chloride	2.350	62	45015	9.680	ug/l	100
5) Bromomethane	2.768	94	36612	9.613	ug/l	93
6) Chloroethane	2.920	64	30944	9.653	ug/l	100
7) Trichlorofluoromethane	3.273	101	72226	9.530	ug/l	97
8) Diethyl Ether	3.709	74	16570	9.317	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	42907	9.489	ug/l	96
10) Methyl Iodide	4.303	142	30649	8.426	ug/l	98
11) Tert butyl alcohol	5.226	59	12561	55.697	ug/l #	84
12) 1,1-Dichloroethene	4.062	96	37216	9.404	ug/l	88
13) Acrolein	3.926	56	12003	45.578	ug/l #	82
14) Allyl chloride	4.715	41	42618	9.486	ug/l	97
15) Acrylonitrile	5.420	53	32487	46.952	ug/l	97
16) Acetone	4.156	43	34692	48.104	ug/l	95
17) Carbon Disulfide	4.409	76	118340	9.187	ug/l	99
18) Methyl Acetate	4.720	43	19425	9.622	ug/l	99
19) Methyl tert-butyl Ether	5.485	73	59723	8.823	ug/l	97
20) Methylene Chloride	4.962	84	74632	10.032	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	43354	9.402	ug/l	89
22) Diisopropyl ether	6.361	45	83063	9.348	ug/l	94
23) Vinyl Acetate	6.309	43	204512	44.522	ug/l	99
24) 1,1-Dichloroethane	6.267	63	75776	9.689	ug/l #	92
25) 2-Butanone	7.208	43	40259	47.936	ug/l	91
26) 2,2-Dichloropropane	7.208	77	67652	9.844	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	46528	9.431	ug/l	96
28) Bromochloromethane	7.544	49	27000	9.565	ug/l	100
29) Tetrahydrofuran	7.561	42	19959	43.270	ug/l	95
30) Chloroform	7.714	83	84933	9.626	ug/l	95
31) Cyclohexane	7.985	56	54087	9.408	ug/l #	89
32) 1,1,1-Trichloroethane	7.903	97	75183	9.756	ug/l	99
36) 1,1-Dichloropropene	8.114	75	59962	9.281	ug/l	99
37) Ethyl Acetate	7.291	43	18250	8.604	ug/l #	91
38) Carbon Tetrachloride	8.097	117	66807	9.341	ug/l	87
39) Methylcyclohexane	9.361	83	50978	8.295	ug/l	96
40) Benzene	8.350	78	175563	9.268	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	9979	9.742	ug/l #	80
42) 1,2-Dichloroethane	8.426	62	49635	9.410	ug/l	98
43) Isopropyl Acetate	8.450	43	37492	9.397	ug/l #	85
44) Trichloroethene	9.114	130	49405	9.280	ug/l	94
45) 1,2-Dichloropropane	9.385	63	44285	9.502	ug/l	95
46) Dibromomethane	9.473	93	25181	9.486	ug/l	96
47) Bromodichloromethane	9.661	83	65638	9.496	ug/l	92
48) Methyl methacrylate	9.455	41	17823	10.194	ug/l	91
49) 1,4-Dioxane	9.461	88	4076	165.080	ug/l #	87
51) 4-Methyl-2-Pentanone	10.226	43	92784	45.998	ug/l	95
52) Toluene	10.402	92	110002	9.352	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	52714	9.268	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	63432	9.232	ug/l	94
55) 1,1,2-Trichloroethane	10.802	97	35165	9.569	ug/l	96
56) Ethyl methacrylate	10.655	69	29957	8.905	ug/l	98
57) 1,3-Dichloropropane	10.944	76	54375	9.250	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.944	63	74213	43.510	ug/l	98
59) 2-Hexanone	10.985	43	59361	44.915	ug/l	96
60) Dibromochloromethane	11.138	129	43813	9.373	ug/l	100
61) 1,2-Dibromoethane	11.249	107	32423	9.251	ug/l	99
64) Tetrachloroethene	10.873	164	43729	9.242	ug/l	93
65) Chlorobenzene	11.667	112	122055	9.368	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.738	131	46620	9.252	ug/l	97
67) Ethyl Benzene	11.744	91	188912	9.042	ug/l	98
68) m/p-Xylenes	11.849	106	154000	18.367	ug/l	96
69) o-Xylene	12.179	106	62646	8.660	ug/l	94
70) Styrene	12.191	104	116184	9.098	ug/l	98
71) Bromoform	12.355	173	24175	9.393	ug/l #	95
73) Isopropylbenzene	12.473	105	176635	9.064	ug/l	97
74) N-amyl acetate	12.285	43	30941	9.014	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.726	83	37330	9.440	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	27977m	12.438	ug/l	
77) Bromobenzene	12.755	156	48817	9.645	ug/l	94
78) n-propylbenzene	12.814	91	218120	9.025	ug/l	99
79) 2-Chlorotoluene	12.902	91	127215	9.160	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	146406	8.919	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	10028	9.472	ug/l	89
82) 4-Chlorotoluene	12.996	91	137603	9.280	ug/l	98
83) tert-Butylbenzene	13.220	119	124688	8.939	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	149883	9.131	ug/l	99
85) sec-Butylbenzene	13.396	105	186742	8.982	ug/l	100
86) p-Isopropyltoluene	13.508	119	158740	8.899	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	96006	9.366	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	97061	9.375	ug/l	96
89) n-Butylbenzene	13.838	91	149118	8.950	ug/l	97
90) Hexachloroethane	14.108	117	34904	9.443	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	84977	9.425	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.496	75	5519	9.277	ug/l	95
93) 1,2,4-Trichlorobenzene	15.155	180	46808	9.300	ug/l	97
94) Hexachlorobutadiene	15.255	225	30669	9.367	ug/l	96
95) Naphthalene	15.390	128	66754	8.380	ug/l	97
96) 1,2,3-Trichlorobenzene	15.585	180	38229	8.788	ug/l	96

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

