

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090821\
 Data File : VD070286.D
 Acq On : 08 Sep 2021 09:24
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:48:57 AM

Quant Time: Sep 09 02:30:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 02:28:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	290763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	569224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	547252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	249577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	23271	6.335	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	12.680%#		
35) Dibromofluoromethane	7.914	113	23067	5.762	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.520%#		
50) Toluene-d8	10.332	98	72427	4.942	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	9.880%#		
62) 4-Bromofluorobenzene	12.626	95	27171	5.421	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.840%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	20784	6.187	ug/l	97
3) Chloromethane	2.209	50	28033	6.246	ug/l	100
4) Vinyl Chloride	2.344	62	27421	5.993	ug/l	95
5) Bromomethane	2.762	94	25424	7.748	ug/l	94
6) Chloroethane	2.915	64	21062	6.874	ug/l	100
7) Trichlorofluoromethane	3.268	101	36406	6.027	ug/l	95
8) Diethyl Ether	3.709	74	8439	5.007	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.103	101	23152	6.145	ug/l	98
10) Methyl Iodide	4.303	142	13024	3.973	ug/l	93
11) Tert butyl alcohol	5.179	59	12473m	27.888	ug/l	
12) 1,1-Dichloroethene	4.062	96	18765	5.523	ug/l	91
13) Acrolein	3.921	56	5560	31.154	ug/l	96
14) Allyl chloride	4.703	41	24477	4.882	ug/l	93
15) Acrylonitrile	5.415	53	21597	27.240	ug/l	99
16) Acetone	4.156	43	20225	30.479	ug/l	94
17) Carbon Disulfide	4.403	76	73491	5.943	ug/l	98
18) Methyl Acetate	4.715	43	12735	6.496	ug/l #	86
19) Methyl tert-butyl Ether	5.473	73	35655	4.923	ug/l #	88
20) Methylene Chloride	4.962	84	44131	8.527	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	22910	5.751	ug/l	87
22) Diisopropyl ether	6.356	45	48300	4.539	ug/l	91
23) Vinyl Acetate	6.303	43	112291m	23.182	ug/l	
24) 1,1-Dichloroethane	6.256	63	44621	5.986	ug/l	100
25) 2-Butanone	7.203	43	23040	26.229	ug/l	94
26) 2,2-Dichloropropane	7.203	77	37011	6.203	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	23325	5.434	ug/l	92
28) Bromochloromethane	7.544	49	18339	6.279	ug/l	85
29) Tetrahydrofuran	7.562	42	14131	24.895	ug/l	94
30) Chloroform	7.703	83	46919	6.133	ug/l	87
31) Cyclohexane	7.973	56	34829	5.352	ug/l #	84
32) 1,1,1-Trichloroethane	7.897	97	38857	6.029	ug/l	94
36) 1,1-Dichloropropene	8.109	75	30233	4.928	ug/l	98
37) Ethyl Acetate	7.297	43	12021	5.242	ug/l #	74
38) Carbon Tetrachloride	8.097	117	32905	5.551	ug/l	94
39) Methylcyclohexane	9.350	83	30483	4.498	ug/l #	84
40) Benzene	8.344	78	94052	5.305	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	6097m	5.158	ug/l	
42) 1,2-Dichloroethane	8.420	62	26345	5.513	ug/l	97
43) Isopropyl Acetate	8.450	43	20679	4.928	ug/l	97
44) Trichloroethene	9.109	130	22660	5.318	ug/l	93
45) 1,2-Dichloropropane	9.379	63	24856	5.339	ug/l	90
46) Dibromomethane	9.473	93	13765	5.814	ug/l	95
47) Bromodichloromethane	9.661	83	34174	5.614	ug/l	95
48) Methyl methacrylate	9.450	41	9896	5.153	ug/l	84
49) 1,4-Dioxane	9.461	88	2298m	96.605	ug/l	
51) 4-Methyl-2-Pentanone	10.220	43	51276	23.829	ug/l	93
52) Toluene	10.397	92	50597	4.712	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	26423	5.054	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	33163	5.222	ug/l	98
55) 1,1,2-Trichloroethane	10.791	97	18250	5.582	ug/l	95
56) Ethyl methacrylate	10.656	69	15413	4.346	ug/l #	80
57) 1,3-Dichloropropane	10.944	76	28968	5.171	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	38118	22.227	ug/l	98
59) 2-Hexanone	10.979	43	33523	23.530	ug/l	86
60) Dibromochloromethane	11.138	129	21060	5.505	ug/l	99
61) 1,2-Dibromoethane	11.244	107	15839	5.190	ug/l	99
64) Tetrachloroethene	10.873	164	17588	5.293	ug/l	98
65) Chlorobenzene	11.667	112	61037	5.417	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	23217	5.622	ug/l	99
67) Ethyl Benzene	11.738	91	88031	4.502	ug/l	97
68) m/p-Xylenes	11.850	106	65550	8.725	ug/l	98
69) o-Xylene	12.173	106	28398	4.168	ug/l	98
70) Styrene	12.191	104	46577	3.937	ug/l	95
71) Bromoform	12.350	173	11179	5.535	ug/l #	99
73) Isopropylbenzene	12.473	105	72172	4.104	ug/l	98
74) N-amyl acetate	12.279	43	17267	4.544	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	21536	5.796	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	13847m	5.343	ug/l	
77) Bromobenzene	12.750	156	20094	4.998	ug/l	98
78) n-propylbenzene	12.814	91	94460	4.149	ug/l	98
79) 2-Chlorotoluene	12.902	91	60526	4.587	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	60852	4.011	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	4814	4.796	ug/l #	85
82) 4-Chlorotoluene	12.997	91	62975	4.495	ug/l	97
83) tert-Butylbenzene	13.214	119	50282	4.131	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	57755	3.860	ug/l	96
85) sec-Butylbenzene	13.391	105	78750	4.063	ug/l	100
86) p-Isopropyltoluene	13.508	119	60146	3.860	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	42667	5.076	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	44601	5.264	ug/l	94
89) n-Butylbenzene	13.832	91	63448	4.074	ug/l	99
90) Hexachloroethane	14.097	117	19018	5.407	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	39297	5.383	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.496	75	2981	5.370	ug/l	87
93) 1,2,4-Trichlorobenzene	15.155	180	19034	4.790	ug/l	96
94) Hexachlorobutadiene	15.255	225	13545	5.601	ug/l	97
95) Naphthalene	15.385	128	33378	4.636	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.579	180	19041	5.556	ug/l	96

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

