

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090721\
 Data File : VY005938.D
 Acq On : 07 Sep 2021 12:57
 Operator : SY/MD
 Sample : VY0907SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0907SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/8/2021 7:11:09 PM

Quant Time: Sep 07 13:51:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	254244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	353411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	328889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	173704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	103933	40.566	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.140%		
35) Dibromofluoromethane	7.728	113	95720	48.228	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.460%		
50) Toluene-d8	10.185	98	390169	46.841	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.680%		
62) 4-Bromofluorobenzene	12.483	95	132855	47.500	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45859	20.201	ug/l	97
3) Chloromethane	2.119	50	44598	18.549	ug/l	100
4) Vinyl Chloride	2.259	62	57051	18.255	ug/l	98
5) Bromomethane	2.650	94	43457	20.610	ug/l	91
6) Chloroethane	2.796	64	32107	17.181	ug/l	98
7) Trichlorofluoromethane	3.131	101	75901	19.013	ug/l	95
8) Diethyl Ether	3.534	74	25320	18.633	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.912	101	41130	19.134	ug/l	97
10) Methyl Iodide	4.101	142	46015	17.034	ug/l	97
11) Tert butyl alcohol	4.954	59	32157	63.827	ug/l #	88
12) 1,1-Dichloroethene	3.881	96	43173	19.782	ug/l	90
13) Acrolein	3.741	56	10166	102.122	ug/l	99
14) Allyl chloride	4.491	41	63517	17.305	ug/l	96
15) Acrylonitrile	5.173	53	57001	82.944	ug/l	100
16) Acetone	3.954	43	55465	84.901	ug/l	98
17) Carbon Disulfide	4.204	76	132803	19.051	ug/l	100
18) Methyl Acetate	4.485	43	28803	15.880	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	117381	17.915	ug/l	98
20) Methylene Chloride	4.722	84	57059	19.825	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	46292	19.010	ug/l	96
22) Diisopropyl ether	6.131	45	129020	17.301	ug/l	98
23) Vinyl Acetate	6.070	43	381666	84.335	ug/l	96
24) 1,1-Dichloroethane	6.027	63	75796	17.818	ug/l	98
25) 2-Butanone	6.996	43	74726	80.968	ug/l	92
26) 2,2-Dichloropropane	6.990	77	72806	18.293	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	52133	19.052	ug/l	94
28) Bromochloromethane	7.338	49	29653	16.909	ug/l	88
29) Tetrahydrofuran	7.356	42	48051	80.354	ug/l	97
30) Chloroform	7.515	83	80990	18.553	ug/l	98
31) Cyclohexane	7.789	56	73024	16.898	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	75948	18.686	ug/l	97
36) 1,1-Dichloropropene	7.923	75	61981	18.627	ug/l	97
37) Ethyl Acetate	7.082	43	33607	16.865	ug/l	98
38) Carbon Tetrachloride	7.905	117	71201	19.742	ug/l	99
39) Methylcyclohexane	9.191	83	78580	18.645	ug/l	93
40) Benzene	8.167	78	184408	19.616	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	18974m	17.098	ug/l	
42) 1,2-Dichloroethane	8.240	62	53924	17.659	ug/l	97
43) Isopropyl Acetate	8.277	43	60483	16.710	ug/l	96
44) Trichloroethene	8.947	130	53431	20.267	ug/l	97
45) 1,2-Dichloropropane	9.222	63	42316	18.345	ug/l	96
46) Dibromomethane	9.307	93	25338	19.088	ug/l	95
47) Bromodichloromethane	9.502	83	61984	19.214	ug/l	96
48) Methyl methacrylate	9.301	41	27869	16.752	ug/l	94
49) 1,4-Dioxane	9.301	88	6774	370.537	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	161944	83.040	ug/l	98
52) Toluene	10.246	92	119366	19.702	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	66738	18.657	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	75253	19.174	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	37546	19.747	ug/l	99
56) Ethyl methacrylate	10.514	69	49627	18.032	ug/l	93
57) 1,3-Dichloropropane	10.794	76	62524	18.968	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	129829	91.394	ug/l	97
59) 2-Hexanone	10.837	43	113921	83.614	ug/l	96
60) Dibromochloromethane	10.990	129	47406	20.308	ug/l	98
61) 1,2-Dibromoethane	11.093	107	36440	20.120	ug/l	100
64) Tetrachloroethene	10.721	164	55131	20.473	ug/l	97
65) Chlorobenzene	11.520	112	129744	19.661	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	48659	19.697	ug/l	99
67) Ethyl Benzene	11.593	91	226000	19.158	ug/l	99
68) m/p-Xylenes	11.703	106	178615	38.396	ug/l	100
69) o-Xylene	12.032	106	84478	19.343	ug/l	99
70) Styrene	12.044	104	143083	19.207	ug/l	99
71) Bromoform	12.209	173	32830	20.157	ug/l #	99
73) Isopropylbenzene	12.331	105	224597	19.399	ug/l	100
74) N-amyl acetate	12.148	43	53363	16.065	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	41448	18.811	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	27884m	17.151	ug/l	
77) Bromobenzene	12.611	156	58528	20.070	ug/l	94
78) n-propylbenzene	12.672	91	267416	19.326	ug/l	99
79) 2-Chlorotoluene	12.757	91	148954	19.337	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	186045	19.179	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15258	17.848	ug/l	97
82) 4-Chlorotoluene	12.855	91	154691	19.141	ug/l	100
83) tert-Butylbenzene	13.075	119	163782	19.317	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	186303	19.362	ug/l	100
85) sec-Butylbenzene	13.257	105	243020	19.447	ug/l	100
86) p-Isopropyltoluene	13.373	119	207222	19.137	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	113040	19.922	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	111573	19.685	ug/l	99
89) n-Butylbenzene	13.696	91	181065	18.689	ug/l	99
90) Hexachloroethane	13.958	117	38391	19.537	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	99270	19.731	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7405	17.919	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	66325	19.529	ug/l	97
94) Hexachlorobutadiene	15.111	225	42222	19.300	ug/l	99
95) Naphthalene	15.239	128	117926	18.074	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	56433	19.033	ug/l	98

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

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