

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091621\
 Data File : VY006039.D
 Acq On : 16 Sep 2021 11:52
 Operator : SY/MD
 Sample : VY0916SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2021 2:30:45 PM

Quant Time: Sep 17 02:43:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	146568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	224208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	209601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	108162	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	97591	47.935	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.860%		
35) Dibromofluoromethane	7.722	113	67762	48.659	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.320%		
50) Toluene-d8	10.179	98	293249	49.408	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.820%		
62) 4-Bromofluorobenzene	12.483	95	98611	48.935	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	28625	18.488	ug/l	97
3) Chloromethane	2.119	50	35004	18.181	ug/l	96
4) Vinyl Chloride	2.259	62	40191	18.488	ug/l	99
5) Bromomethane	2.650	94	29792	21.124	ug/l	99
6) Chloroethane	2.796	64	24766	18.997	ug/l	99
7) Trichlorofluoromethane	3.131	101	54558	19.252	ug/l	94
8) Diethyl Ether	3.540	74	18119	19.449	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.912	101	26998	19.082	ug/l	99
10) Methyl Iodide	4.095	142	22722	15.170	ug/l	98
11) Tert butyl alcohol	4.948	59	33412	75.621	ug/l #	77
12) 1,1-Dichloroethene	3.875	96	27100	18.518	ug/l	92
13) Acrolein	3.735	56	10124	82.758	ug/l	100
14) Allyl chloride	4.485	41	56524	18.094	ug/l	98
15) Acrylonitrile	5.167	53	50712	95.565	ug/l	99
16) Acetone	3.954	43	53847	96.429	ug/l	98
17) Carbon Disulfide	4.204	76	92011	18.826	ug/l	99
18) Methyl Acetate	4.491	43	25996	18.481	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	87066	18.454	ug/l	100
20) Methylene Chloride	4.729	84	44484	23.025	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	30483	18.576	ug/l	90
22) Diisopropyl ether	6.125	45	111156	18.311	ug/l	98
23) Vinyl Acetate	6.070	43	356383	93.043	ug/l	99
24) 1,1-Dichloroethane	6.027	63	57260	18.411	ug/l	97
25) 2-Butanone	6.996	43	73374	95.335	ug/l	99
26) 2,2-Dichloropropane	6.990	77	54872	18.624	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	34371	18.774	ug/l	100
28) Bromochloromethane	7.344	49	23779	17.405	ug/l	97
29) Tetrahydrofuran	7.350	42	45501	94.065	ug/l	100
30) Chloroform	7.515	83	58744	18.838	ug/l	100
31) Cyclohexane	7.789	56	59580	18.268	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	55184	18.848	ug/l	99
36) 1,1-Dichloropropene	7.923	75	45736	18.899	ug/l	99
37) Ethyl Acetate	7.082	43	31687	18.954	ug/l	98
38) Carbon Tetrachloride	7.905	117	50039	18.994	ug/l	97
39) Methylcyclohexane	9.185	83	55897	18.636	ug/l	97
40) Benzene	8.167	78	130707	18.835	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	15910	16.295	ug/l #	49
42) 1,2-Dichloroethane	8.246	62	47136	19.207	ug/l	98
43) Isopropyl Acetate	8.277	43	57188	18.365	ug/l	98
44) Trichloroethene	8.947	130	33109	19.146	ug/l	100
45) 1,2-Dichloropropane	9.222	63	31629	18.424	ug/l	97
46) Dibromomethane	9.307	93	17521	18.856	ug/l	98
47) Bromodichloromethane	9.502	83	45287	18.935	ug/l	94
48) Methyl methacrylate	9.295	41	26424	18.364	ug/l	98
49) 1,4-Dioxane	9.301	88	4979	388.274	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	154502	93.070	ug/l	99
52) Toluene	10.246	92	79957	18.698	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	49455	18.824	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	53727	18.961	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	24062	18.845	ug/l	97
56) Ethyl methacrylate	10.514	69	37653	18.446	ug/l	99
57) 1,3-Dichloropropane	10.795	76	43994	18.694	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	99129	92.767	ug/l	99
59) 2-Hexanone	10.837	43	110597	96.504	ug/l	98
60) Dibromochloromethane	10.984	129	30111	19.127	ug/l	100
61) 1,2-Dibromoethane	11.087	107	23263	19.289	ug/l	99
64) Tetrachloroethene	10.721	164	34012	19.840	ug/l	96
65) Chlorobenzene	11.520	112	83278	18.569	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	31153	18.637	ug/l	99
67) Ethyl Benzene	11.593	91	154990	18.181	ug/l	100
68) m/p-Xylenes	11.703	106	119590	36.995	ug/l	98
69) o-Xylene	12.032	106	57168	18.725	ug/l	97
70) Styrene	12.044	104	98241	18.783	ug/l	99
71) Bromoform	12.209	173	20417	19.507	ug/l #	97
73) Isopropylbenzene	12.331	105	151408	17.876	ug/l	99
74) N-amyl acetate	12.142	43	51707	17.679	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	28184	17.885	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	20668m	17.922	ug/l	
77) Bromobenzene	12.611	156	35815	18.122	ug/l	97
78) n-propylbenzene	12.672	91	188508	17.988	ug/l	100
79) 2-Chlorotoluene	12.758	91	104587	18.356	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	128450	18.286	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	11342	18.082	ug/l	99
82) 4-Chlorotoluene	12.855	91	108713	18.459	ug/l	100
83) tert-Butylbenzene	13.075	119	108657	18.086	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	128340	18.416	ug/l	100
85) sec-Butylbenzene	13.258	105	166196	18.479	ug/l	100
86) p-Isopropyltoluene	13.367	119	140376	18.283	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	70849	18.588	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	71224	18.630	ug/l	99
89) n-Butylbenzene	13.696	91	133954	18.656	ug/l	100
90) Hexachloroethane	13.959	117	25566	18.503	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	63134	18.869	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5862	18.750	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	40339	18.565	ug/l	99
94) Hexachlorobutadiene	15.111	225	26313	18.718	ug/l	98
95) Naphthalene	15.239	128	79515	18.400	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	34428	18.285	ug/l	98

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

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