

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092321\
 Data File : VY006117.D
 Acq On : 23 Sep 2021 12:08
 Operator : SY/MD
 Sample : VY0923SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2021 6:56:28 PM

Quant Time: Sep 24 07:26:49 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	133956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	200298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	188267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	85145	45.759	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.520%
35) Dibromofluoromethane	7.722	113	60394	48.545	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.080%
50) Toluene-d8	10.179	98	258255	48.706	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.483	95	89440	49.682	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29094	20.560	ug/l	97
3) Chloromethane	2.119	50	31429	17.861	ug/l	98
4) Vinyl Chloride	2.259	62	35951	18.095	ug/l	98
5) Bromomethane	2.643	94	26020	20.186	ug/l	96
6) Chloroethane	2.796	64	22540	18.917	ug/l	96
7) Trichlorofluoromethane	3.131	101	51637	19.937	ug/l	99
8) Diethyl Ether	3.540	74	16190	19.015	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.905	101	25036	19.361	ug/l	96
10) Methyl Iodide	4.094	142	23767	17.362	ug/l	97
11) Tert butyl alcohol	4.942	59	44889	137.075	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	25034	18.717	ug/l	94
13) Acrolein	3.735	56	8160	72.983	ug/l	97
14) Allyl chloride	4.485	41	49001	17.163	ug/l	97
15) Acrylonitrile	5.167	53	45047	92.882	ug/l	99
16) Acetone	3.948	43	46725	91.553	ug/l	100
17) Carbon Disulfide	4.198	76	81672	18.284	ug/l	98
18) Methyl Acetate	4.478	43	22240	17.299	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	79836	18.515	ug/l	98
20) Methylene Chloride	4.722	84	36733	20.308	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	28210	18.809	ug/l	89
22) Diisopropyl ether	6.125	45	94440	17.022	ug/l	98
23) Vinyl Acetate	6.064	43	300600	85.868	ug/l	99
24) 1,1-Dichloroethane	6.027	63	51175	18.004	ug/l	97
25) 2-Butanone	6.990	43	61594	87.564	ug/l	93
26) 2,2-Dichloropropane	6.990	77	51282	19.045	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	31739	18.969	ug/l	97
28) Bromochloromethane	7.338	49	21461	17.187	ug/l	94
29) Tetrahydrofuran	7.350	42	39041	88.309	ug/l	95
30) Chloroform	7.515	83	53478	18.764	ug/l	97
31) Cyclohexane	7.789	56	52196	17.511	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	50584	18.903	ug/l	99
36) 1,1-Dichloropropene	7.917	75	40746	18.847	ug/l	98
37) Ethyl Acetate	7.076	43	26595	17.807	ug/l	97
38) Carbon Tetrachloride	7.905	117	47143	20.031	ug/l	96
39) Methylcyclohexane	9.185	83	50755	18.942	ug/l	99
40) Benzene	8.161	78	118755	19.155	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	14656m	16.802	ug/l	
42) 1,2-Dichloroethane	8.240	62	41570	18.961	ug/l	96
43) Isopropyl Acetate	8.277	43	48553	17.454	ug/l	96
44) Trichloroethene	8.941	130	31500	20.390	ug/l	98
45) 1,2-Dichloropropane	9.215	63	28052	18.291	ug/l	96
46) Dibromomethane	9.307	93	15902	19.157	ug/l	94
47) Bromodichloromethane	9.502	83	40737	19.066	ug/l	100
48) Methyl methacrylate	9.295	41	22354	17.390	ug/l	95
49) 1,4-Dioxane	9.301	88	4485	391.501	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	131197	88.466	ug/l	98
52) Toluene	10.246	92	74396	19.474	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	44252	18.854	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	48226	19.052	ug/l	92
55) 1,1,2-Trichloroethane	10.648	97	22385	19.624	ug/l	96
56) Ethyl methacrylate	10.508	69	34026	18.659	ug/l	94
57) 1,3-Dichloropropane	10.788	76	39924	18.989	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	94016	98.484	ug/l	97
59) 2-Hexanone	10.831	43	92896	90.734	ug/l	95
60) Dibromochloromethane	10.983	129	28091	19.974	ug/l	98
61) 1,2-Dibromoethane	11.087	107	21429	19.889	ug/l	100
64) Tetrachloroethene	10.721	164	31519	20.469	ug/l	97
65) Chlorobenzene	11.520	112	78434	19.470	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	29543	19.676	ug/l	99
67) Ethyl Benzene	11.593	91	144728	18.901	ug/l	99
68) m/p-Xylenes	11.703	106	111461	38.388	ug/l	98
69) o-Xylene	12.032	106	52598	19.180	ug/l	96
70) Styrene	12.044	104	90505	19.265	ug/l	99
71) Bromoform	12.209	173	18994	20.204	ug/l #	100
73) Isopropylbenzene	12.331	105	142093	18.592	ug/l	100
74) N-amyl acetate	12.142	43	43991	16.668	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	25689	18.066	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18281m	17.568	ug/l	
77) Bromobenzene	12.611	156	34196	19.176	ug/l	94
78) n-propylbenzene	12.672	91	174894	18.495	ug/l	99
79) 2-Chlorotoluene	12.757	91	96554	18.780	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	120447	19.003	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	10364	18.311	ug/l	96
82) 4-Chlorotoluene	12.855	91	100649	18.939	ug/l	99
83) tert-Butylbenzene	13.074	119	102820	18.966	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	119500	19.003	ug/l	99
85) sec-Butylbenzene	13.257	105	155807	19.199	ug/l	98
86) p-Isopropyltoluene	13.367	119	132850	19.175	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	68696	19.974	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	67902	19.683	ug/l	99
89) n-Butylbenzene	13.696	91	122425	18.896	ug/l	99
90) Hexachloroethane	13.958	117	24059	19.296	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	60592	20.069	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5275	18.699	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	40024	20.414	ug/l	98
94) Hexachlorobutadiene	15.111	225	26254	20.697	ug/l	99
95) Naphthalene	15.239	128	78639	20.167	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	34494	20.302	ug/l	99

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

