

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072621\
 Data File : VY005443.D
 Acq On : 26 Jul 2021 14:38
 Operator : SY/MD
 Sample : VY0726SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0726SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2021 1:56:09 PM

Quant Time: Jul 27 03:09:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	284508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	422757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	384590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	202243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	163123	53.668	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.340%	
35) Dibromofluoromethane	7.722	113	128708	52.727	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.460%	
50) Toluene-d8	10.185	98	546298	52.803	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.600%	
62) 4-Bromofluorobenzene	12.483	95	181287	53.091	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	61003	23.685	ug/l	97
3) Chloromethane	2.113	50	74174	23.493	ug/l	98
4) Vinyl Chloride	2.260	62	84477	22.469	ug/l	99
5) Bromomethane	2.644	94	59899	21.801	ug/l	99
6) Chloroethane	2.796	64	52413	22.191	ug/l	100
7) Trichlorofluoromethane	3.125	101	108020	21.971	ug/l	97
8) Diethyl Ether	3.534	74	39041	22.557	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	60767	22.742	ug/l	98
10) Methyl Iodide	4.101	142	66044	21.778	ug/l	94
11) Tert butyl alcohol	4.979	59	34755	121.042	ug/l #	86
12) 1,1-Dichloroethene	3.881	96	61271	22.525	ug/l	98
13) Acrolein	3.741	56	30601	116.384	ug/l	99
14) Allyl chloride	4.485	41	108727	22.336	ug/l	97
15) Acrylonitrile	5.174	53	97782	113.765	ug/l	98
16) Acetone	3.960	43	84000	121.014	ug/l	97
17) Carbon Disulfide	4.198	76	201538	22.406	ug/l	99
18) Methyl Acetate	4.491	43	44877	23.001	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	184647	22.498	ug/l	99
20) Methylene Chloride	4.729	84	86119	21.143	ug/l	98
21) trans-1,2-Dichloroethene	5.229	96	67677	22.146	ug/l	98
22) Diisopropyl ether	6.131	45	195670	20.710	ug/l	97
23) Vinyl Acetate	6.070	43	659222	106.079	ug/l	99
24) 1,1-Dichloroethane	6.027	63	106412	20.433	ug/l	98
25) 2-Butanone	6.997	43	116203	111.789	ug/l	99
26) 2,2-Dichloropropane	6.990	77	96183	20.311	ug/l	100
27) cis-1,2-Dichloroethene	6.997	96	64850	19.838	ug/l	98
28) Bromochloromethane	7.344	49	47409	22.614	ug/l	100
29) Tetrahydrofuran	7.362	42	75622	109.856	ug/l	98
30) Chloroform	7.515	83	106632	20.697	ug/l	97
31) Cyclohexane	7.789	56	107043	20.625	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	98408	20.631	ug/l	98
36) 1,1-Dichloropropene	7.923	75	84878	20.764	ug/l	100
37) Ethyl Acetate	7.082	43	52866	21.246	ug/l	99
38) Carbon Tetrachloride	7.911	117	89500	20.037	ug/l	98
39) Methylcyclohexane	9.185	83	106925	20.399	ug/l	97
40) Benzene	8.167	78	239991	20.430	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	26873m	20.609	ug/l	
42) 1,2-Dichloroethane	8.246	62	77515	20.399	ug/l	99
43) Isopropyl Acetate	8.283	43	96350	21.382	ug/l	98
44) Trichloroethene	8.947	130	64587	20.273	ug/l	97
45) 1,2-Dichloropropane	9.222	63	59459	20.557	ug/l	99
46) Dibromomethane	9.313	93	32844	20.631	ug/l	98
47) Bromodichloromethane	9.502	83	82385	20.588	ug/l	96
48) Methyl methacrylate	9.301	41	43552	20.783	ug/l	98
49) 1,4-Dioxane	9.307	88	9646	429.543	ug/l #	98
51) 4-Methyl-2-Pentanone	10.075	43	257510	107.646	ug/l	100
52) Toluene	10.246	92	151964	20.372	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	91560	20.453	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	100493	20.422	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	47149	20.636	ug/l	97
56) Ethyl methacrylate	10.514	69	71278	20.661	ug/l	99
57) 1,3-Dichloropropane	10.795	76	83038	20.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	163239	98.939	ug/l	100
59) 2-Hexanone	10.837	43	181180	108.060	ug/l	100
60) Dibromochloromethane	10.990	129	57963	20.772	ug/l	99
61) 1,2-Dibromoethane	11.093	107	44509	20.580	ug/l	99
64) Tetrachloroethene	10.721	164	59389	20.441	ug/l	98
65) Chlorobenzene	11.520	112	160810	20.415	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	59405	20.192	ug/l	100
67) Ethyl Benzene	11.593	91	292562	20.402	ug/l	99
68) m/p-Xylenes	11.703	106	228054	40.957	ug/l	99
69) o-Xylene	12.032	106	105654	19.945	ug/l	99
70) Styrene	12.044	104	180786	20.099	ug/l	99
71) Bromoform	12.209	173	39258	20.879	ug/l	100
73) Isopropylbenzene	12.331	105	283131	20.301	ug/l	99
74) N-amyl acetate	12.148	43	91010	21.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	54623	20.513	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	41573m	20.891	ug/l	
77) Bromobenzene	12.611	156	69632	20.388	ug/l	98
78) n-propylbenzene	12.672	91	344245	20.458	ug/l	100
79) 2-Chlorotoluene	12.758	91	193516	20.475	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	238136	20.443	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	21319	20.801	ug/l	99
82) 4-Chlorotoluene	12.855	91	198009	20.241	ug/l	99
83) tert-Butylbenzene	13.075	119	214542	20.677	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	237131	20.295	ug/l	100
85) sec-Butylbenzene	13.258	105	306081	20.451	ug/l	100
86) p-Isopropyltoluene	13.373	119	263496	20.448	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	136546	20.385	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	136427	20.556	ug/l	100
89) n-Butylbenzene	13.697	91	243832	20.615	ug/l	98
90) Hexachloroethane	13.965	117	47681	20.585	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	121833	20.368	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11169	21.630	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	85975	20.832	ug/l	99
94) Hexachlorobutadiene	15.117	225	53728	20.541	ug/l	100
95) Naphthalene	15.239	128	174723	21.046	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	77617	20.865	ug/l	99

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

