

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101921\
 Data File : VY006418.D
 Acq On : 19 Oct 2021 11:04
 Operator : SY/MD
 Sample : VY1019SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1019SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/20/2021 5:49:14 PM

Quant Time: Oct 20 03:14:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y092821S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 17:44:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	133768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	200887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	184345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97137	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	68160	47.61	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.22%		
35) Dibromofluoromethane	7.722	113	51242	47.74	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.48%		
50) Toluene-d8	10.185	98	211730	47.14	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.28%		
62) 4-Bromofluorobenzene	12.483	95	72386	47.44	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.88%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	25909	19.09	ug/l	99
3) Chloromethane	2.119	50	31143	19.71	ug/l	93
4) Vinyl Chloride	2.259	62	36623	20.91	ug/l	95
5) Bromomethane	2.650	94	26437	23.22	ug/l	98
6) Chloroethane	2.802	64	22771	22.09	ug/l	100
7) Trichlorofluoromethane	3.131	101	50149	21.74	ug/l	93
8) Diethyl Ether	3.534	74	15570	20.43	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.905	101	26268	21.33	ug/l	97
10) Methyl Iodide	4.100	142	22960	17.11	ug/l	97
11) Tert butyl alcohol	4.966	59	12911	103.09	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	25277	20.18	ug/l	96
13) Acrolein	3.735	56	3344	53.37	ug/l	99
14) Allyl chloride	4.491	41	49928	20.72	ug/l	97
15) Acrylonitrile	5.173	53	39623	98.86	ug/l	100
16) Acetone	3.954	43	39632	99.11	ug/l	99
17) Carbon Disulfide	4.204	76	80567	19.23	ug/l	100
18) Methyl Acetate	4.485	43	27173	20.15	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	74479	20.36	ug/l	96
20) Methylene Chloride	4.722	84	36396	24.49	ug/l	93
21) trans-1,2-Dichloroethene	5.234	96	28629	20.61	ug/l	95
22) Diisopropyl ether	6.125	45	98150	20.59	ug/l	98
23) Vinyl Acetate	6.070	43	284084	99.43	ug/l	98
24) 1,1-Dichloroethane	6.027	63	53631	20.96	ug/l	98
25) 2-Butanone	6.990	43	53421	95.90	ug/l	93
26) 2,2-Dichloropropane	6.990	77	51473	22.00	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	33062	21.25	ug/l	95
28) Bromochloromethane	7.338	49	22659	21.27	ug/l	95
29) Tetrahydrofuran	7.356	42	33564	95.40	ug/l	97
30) Chloroform	7.515	83	55195	21.62	ug/l	97
31) Cyclohexane	7.789	56	53451	19.71	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	51941	22.04	ug/l	98
36) 1,1-Dichloropropene	7.923	75	41469	20.75	ug/l	98
37) Ethyl Acetate	7.082	43	23466	20.15	ug/l	98
38) Carbon Tetrachloride	7.905	117	47583	22.55	ug/l	97
39) Methylcyclohexane	9.191	83	51158	20.38	ug/l	97
40) Benzene	8.167	78	122553	21.61	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	14464m	19.15	ug/l	
42) 1,2-Dichloroethane	8.240	62	40772	22.32	ug/l	99
43) Isopropyl Acetate	8.277	43	44639	19.99	ug/l	95
44) Trichloroethene	8.947	130	32235	22.01	ug/l	98
45) 1,2-Dichloropropane	9.222	63	29560	21.17	ug/l	95
46) Dibromomethane	9.307	93	15461	20.80	ug/l	96
47) Bromodichloromethane	9.502	83	41619	21.74	ug/l	99
48) Methyl methacrylate	9.295	41	20766	19.38	ug/l	95
49) 1,4-Dioxane	9.301	88	3983	410.69	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	116122	100.14	ug/l	97
52) Toluene	10.246	92	77116	21.93	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	43714	20.95	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	48475	21.13	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	22030	21.06	ug/l	97
56) Ethyl methacrylate	10.514	69	31423	19.77	ug/l	97
57) 1,3-Dichloropropane	10.794	76	40307	21.30	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	77995	100.13	ug/l	97
59) 2-Hexanone	10.837	43	83809	101.48	ug/l	99
60) Dibromochloromethane	10.989	129	27548	21.68	ug/l	100
61) 1,2-Dibromoethane	11.093	107	20219	20.42	ug/l	99
64) Tetrachloroethene	10.721	164	37036	24.95	ug/l	94
65) Chlorobenzene	11.520	112	79289	21.71	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	29698	22.06	ug/l	99
67) Ethyl Benzene	11.593	91	148928	21.63	ug/l	99
68) m/p-Xylenes	11.703	106	114563	43.85	ug/l	97
69) o-Xylene	12.032	106	53841	21.82	ug/l	97
70) Styrene	12.044	104	92317	22.03	ug/l	99
71) Bromoform	12.209	173	18138	21.67	ug/l #	97
73) Isopropylbenzene	12.331	105	145311	20.88	ug/l	99
74) N-amyl acetate	12.142	43	40173	18.60	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	22297	17.74	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	17835m	18.89	ug/l	
77) Bromobenzene	12.611	156	33947	20.81	ug/l	95
78) n-propylbenzene	12.672	91	178657	20.86	ug/l	99
79) 2-Chlorotoluene	12.757	91	98617	20.81	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	123215	21.18	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	9241	19.23	ug/l	99
82) 4-Chlorotoluene	12.855	91	102015	20.81	ug/l	98
83) tert-Butylbenzene	13.074	119	108702	21.85	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	122926	21.40	ug/l	99
85) sec-Butylbenzene	13.257	105	160768	21.39	ug/l	99
86) p-Isopropyltoluene	13.373	119	136505	21.52	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	69511	21.51	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	68532	21.50	ug/l	99
89) n-Butylbenzene	13.696	91	126859	21.05	ug/l	100
90) Hexachloroethane	13.958	117	24826	21.55	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	60288	21.33	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4586	19.16	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	39547	21.17	ug/l	100
94) Hexachlorobutadiene	15.111	225	26815	22.01	ug/l	99
95) Naphthalene	15.239	128	69869	18.83	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	33189	20.05	ug/l	99

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

