

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102821\
 Data File : VY006507.D
 Acq On : 28 Oct 2021 11:51
 Operator : SY/MD
 Sample : VY1028SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1028SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:38:36 PM

Quant Time: Oct 29 05:05:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	133486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	208658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	192693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	89571	54.529	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.060%	
35) Dibromofluoromethane	7.722	113	63441	54.549	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.100%	
50) Toluene-d8	10.185	98	276289	56.041	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.080%	
62) 4-Bromofluorobenzene	12.483	95	92773	55.862	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.720%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	22112	17.920	ug/l	98
3) Chloromethane	2.119	50	31322	18.806	ug/l	97
4) Vinyl Chloride	2.253	62	34669	18.638	ug/l	99
5) Bromomethane	2.643	94	25770	20.795	ug/l	100
6) Chloroethane	2.796	64	20243	18.430	ug/l	95
7) Trichlorofluoromethane	3.131	101	46341	19.620	ug/l	95
8) Diethyl Ether	3.540	74	15696	20.292	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.912	101	24374	20.270	ug/l	100
10) Methyl Iodide	4.101	142	16764	16.519	ug/l	99
11) Tert butyl alcohol	4.960	59	13504	90.493	ug/l	98
12) 1,1-Dichloroethene	3.875	96	23266	19.306	ug/l	93
13) Acrolein	3.741	56	9864	95.615	ug/l	98
14) Allyl chloride	4.485	41	50846	20.499	ug/l	97
15) Acrylonitrile	5.167	53	43456	99.762	ug/l	99
16) Acetone	3.954	43	40858	86.382	ug/l	91
17) Carbon Disulfide	4.198	76	72594	18.365	ug/l	100
18) Methyl Acetate	4.479	43	29940	19.521	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	77269	19.999	ug/l	98
20) Methylene Chloride	4.728	84	30241	18.019	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	26614	19.474	ug/l	95
22) Diisopropyl ether	6.125	45	105675	21.377	ug/l	99
23) Vinyl Acetate	6.064	43	304678	101.333	ug/l	99
24) 1,1-Dichloroethane	6.027	63	52802	20.427	ug/l	99
25) 2-Butanone	6.990	43	59151	95.457	ug/l	98
26) 2,2-Dichloropropane	6.990	77	49661	20.199	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	31074	19.917	ug/l	96
28) Bromochloromethane	7.332	49	22852	21.790	ug/l	96
29) Tetrahydrofuran	7.350	42	37902	99.698	ug/l	98
30) Chloroform	7.515	83	54371	20.368	ug/l	100
31) Cyclohexane	7.795	56	52341	19.683	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	49946	20.263	ug/l	99
36) 1,1-Dichloropropene	7.923	75	40463	19.626	ug/l	98
37) Ethyl Acetate	7.076	43	26328	20.178	ug/l	98
38) Carbon Tetrachloride	7.905	117	43596	19.168	ug/l	98
39) Methylcyclohexane	9.185	83	48303	19.246	ug/l	99
40) Benzene	8.167	78	117807	20.034	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	16790	22.678	ug/l	# 25
42) 1,2-Dichloroethane	8.240	62	41299	19.667	ug/l	99
43) Isopropyl Acetate	8.277	43	50429	19.923	ug/l	99
44) Trichloroethene	8.941	130	31110	20.514	ug/l	99
45) 1,2-Dichloropropane	9.222	63	29908	20.534	ug/l	100
46) Dibromomethane	9.307	93	16023	20.041	ug/l	98
47) Bromodichloromethane	9.502	83	41242	19.829	ug/l	98
48) Methyl methacrylate	9.295	41	23188	19.766	ug/l	98
49) 1,4-Dioxane	9.295	88	3935	362.532	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	131920	99.422	ug/l	99
52) Toluene	10.246	92	74455	20.181	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	44782	19.987	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	49539	20.407	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	22358	20.226	ug/l	96
56) Ethyl methacrylate	10.514	69	33852	19.822	ug/l	99
57) 1,3-Dichloropropane	10.794	76	40288	20.054	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	78685	101.000	ug/l	99
59) 2-Hexanone	10.831	43	94064	97.951	ug/l	99
60) Dibromochloromethane	10.983	129	27192	19.942	ug/l	99
61) 1,2-Dibromoethane	11.087	107	20408	19.609	ug/l	98
64) Tetrachloroethene	10.721	164	35634	21.149	ug/l	97
65) Chlorobenzene	11.520	112	76755	20.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	28594	20.254	ug/l	98
67) Ethyl Benzene	11.593	91	141458	19.810	ug/l	97
68) m/p-Xylenes	11.703	106	108107	40.243	ug/l	98
69) o-Xylene	12.032	106	51260	19.998	ug/l	99
70) Styrene	12.044	104	89105	20.331	ug/l	99
71) Bromoform	12.209	173	17504	19.615	ug/l	98
73) Isopropylbenzene	12.331	105	138241	20.190	ug/l	100
74) N-amyl acetate	12.142	43	44655	19.660	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	22410	18.905	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	17731m	17.579	ug/l	
77) Bromobenzene	12.611	156	32646	20.237	ug/l	99
78) n-propylbenzene	12.672	91	172946	20.438	ug/l	100
79) 2-Chlorotoluene	12.758	91	95403	20.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	118923	20.742	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	9640	19.620	ug/l	98
82) 4-Chlorotoluene	12.855	91	100546	20.598	ug/l	99
83) tert-Butylbenzene	13.075	119	102961	20.898	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	117517	20.500	ug/l	99
85) sec-Butylbenzene	13.251	105	154062	20.825	ug/l	100
86) p-Isopropyltoluene	13.367	119	128317	20.332	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	65206	20.140	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	65241	20.494	ug/l	99
89) n-Butylbenzene	13.696	91	124300	20.937	ug/l	100
90) Hexachloroethane	13.959	117	23453	20.576	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	57947	20.405	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4915	19.531	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	37095	19.787	ug/l	98
94) Hexachlorobutadiene	15.111	225	25245	21.011	ug/l	97
95) Naphthalene	15.239	128	68779	18.743	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	33187	20.215	ug/l	98

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

