

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102521\
 Data File : VY006457.D
 Acq On : 25 Oct 2021 11:24
 Operator : SY/MD
 Sample : VY1025SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1025SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2021 6:16:00 PM

Quant Time: Oct 26 02:41:44 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	140281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	215376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	200285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	88187	51.086	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.180%	
35) Dibromofluoromethane	7.722	113	60500	50.398	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.800%	
50) Toluene-d8	10.185	98	260430	51.176	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.360%	
62) 4-Bromofluorobenzene	12.483	95	86413	50.409	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.820%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	24712	19.057	ug/l	99
3) Chloromethane	2.119	50	33854	19.342	ug/l	100
4) Vinyl Chloride	2.259	62	37380	19.122	ug/l	96
5) Bromomethane	2.643	94	24976	19.178	ug/l	99
6) Chloroethane	2.796	64	21111	18.289	ug/l	98
7) Trichlorofluoromethane	3.131	101	45025	18.140	ug/l	97
8) Diethyl Ether	3.539	74	15136	18.620	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.905	101	22963	18.171	ug/l	98
10) Methyl Iodide	4.100	142	18877	17.339	ug/l	98
11) Tert butyl alcohol	4.966	59	15454	98.544	ug/l	100
12) 1,1-Dichloroethene	3.881	96	22786	17.992	ug/l	93
13) Acrolein	3.735	56	12520	115.481	ug/l	98
14) Allyl chloride	4.484	41	47877	18.367	ug/l	99
15) Acrylonitrile	5.173	53	45474	99.338	ug/l	100
16) Acetone	3.954	43	46708	93.967	ug/l	100
17) Carbon Disulfide	4.198	76	70745	17.031	ug/l	99
18) Methyl Acetate	4.484	43	32090	19.909	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	77903	19.186	ug/l	98
20) Methylene Chloride	4.722	84	30055	16.803	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	25246	17.578	ug/l	97
22) Diisopropyl ether	6.130	45	96849	18.642	ug/l	97
23) Vinyl Acetate	6.069	43	300579	95.128	ug/l	100
24) 1,1-Dichloroethane	6.027	63	49047	18.055	ug/l	99
25) 2-Butanone	6.990	43	65392	100.417	ug/l	100
26) 2,2-Dichloropropane	6.984	77	48020	18.585	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	30031	18.316	ug/l	100
28) Bromochloromethane	7.338	49	22255	20.192	ug/l	98
29) Tetrahydrofuran	7.350	42	41391	103.601	ug/l	99
30) Chloroform	7.508	83	51314	18.292	ug/l	98
31) Cyclohexane	7.789	56	49212	17.610	ug/l	96
32) 1,1,1-Trichloroethane	7.709	97	47762	18.438	ug/l	100
36) 1,1-Dichloropropene	7.923	75	38358	18.025	ug/l	100
37) Ethyl Acetate	7.082	43	27764	20.615	ug/l	98
38) Carbon Tetrachloride	7.911	117	43045	18.336	ug/l	95
39) Methylcyclohexane	9.185	83	46672	18.016	ug/l	96
40) Benzene	8.167	78	110405	18.190	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.331	41	17611m	23.045	ug/l	
42) 1,2-Dichloroethane	8.240	62	40451	18.663	ug/l	99
43) Isopropyl Acetate	8.276	43	52277	20.009	ug/l	100
44) Trichloroethene	8.941	130	29676	18.958	ug/l	94
45) 1,2-Dichloropropane	9.221	63	27052	17.994	ug/l	96
46) Dibromomethane	9.313	93	15733	19.065	ug/l	99
47) Bromodichloromethane	9.502	83	40199	18.725	ug/l	99
48) Methyl methacrylate	9.295	41	23228	19.182	ug/l	99
49) 1,4-Dioxane	9.301	88	4355	388.712	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	140771	102.783	ug/l	100
52) Toluene	10.246	92	69045	18.131	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	43874	18.971	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	47035	18.771	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	21683	19.003	ug/l	96
56) Ethyl methacrylate	10.514	69	34288	19.451	ug/l	98
57) 1,3-Dichloropropane	10.788	76	39960	19.270	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	84262	104.785	ug/l	99
59) 2-Hexanone	10.837	43	102896	103.805	ug/l	99
60) Dibromochloromethane	10.983	129	26924	19.130	ug/l	98
61) 1,2-Dibromoethane	11.093	107	20195	18.799	ug/l	100
64) Tetrachloroethene	10.721	164	34483	19.690	ug/l	98
65) Chlorobenzene	11.520	112	72558	18.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	27524	18.757	ug/l	100
67) Ethyl Benzene	11.593	91	136573	18.401	ug/l	98
68) m/p-Xylenes	11.703	106	103144	36.940	ug/l	99
69) o-Xylene	12.032	106	49647	18.634	ug/l	97
70) Styrene	12.044	104	87293	19.163	ug/l	97
71) Bromoform	12.209	173	18345	19.778	ug/l #	100
73) Isopropylbenzene	12.331	105	133520	18.465	ug/l	100
74) N-amyl acetate	12.142	43	46535	19.400	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	23145	18.489	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	18179m	17.066	ug/l	
77) Bromobenzene	12.611	156	31922	18.738	ug/l	97
78) n-propylbenzene	12.672	91	163173	18.260	ug/l	100
79) 2-Chlorotoluene	12.757	91	91089	18.412	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	112998	18.663	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	10156	19.574	ug/l	99
82) 4-Chlorotoluene	12.855	91	94554	18.342	ug/l	98
83) tert-Butylbenzene	13.074	119	95686	18.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	111689	18.449	ug/l	99
85) sec-Butylbenzene	13.251	105	146396	18.739	ug/l	100
86) p-Isopropyltoluene	13.367	119	124997	18.755	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	63425	18.550	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	63041	18.752	ug/l	98
89) n-Butylbenzene	13.696	91	116888	18.644	ug/l	99
90) Hexachloroethane	13.964	117	22422	18.627	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	57497	19.172	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5373	20.217	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	37302	18.841	ug/l	99
94) Hexachlorobutadiene	15.111	225	23726	18.698	ug/l	99
95) Naphthalene	15.239	128	74822	19.308	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	32426	18.703	ug/l	99

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

