

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101521\
 Data File : VY006400.D
 Acq On : 15 Oct 2021 12:46
 Operator : SY/MD
 Sample : VY1015SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:50:24 PM

Quant Time: Oct 18 04:44:26 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	134914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	202348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	190465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	100639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	69885	48.398	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.800%		
35) Dibromofluoromethane	7.722	113	52110	48.203	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.400%		
50) Toluene-d8	10.179	98	215485	47.627	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.260%		
62) 4-Bromofluorobenzene	12.483	95	74247	48.306	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.620%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	31020	22.667	ug/l	97
3) Chloromethane	2.119	50	39499	24.781	ug/l	100
4) Vinyl Chloride	2.253	62	40502	22.927	ug/l	99
5) Bromomethane	2.644	94	28364	24.706	ug/l	98
6) Chloroethane	2.796	64	24479	23.550	ug/l	92
7) Trichlorofluoromethane	3.131	101	53327	22.918	ug/l	95
8) Diethyl Ether	3.534	74	16860	21.937	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	27108	21.823	ug/l	97
10) Methyl Iodide	4.095	142	26063	19.253	ug/l	96
11) Tert butyl alcohol	4.960	59	15666	124.027	ug/l #	94
12) 1,1-Dichloroethene	3.881	96	27405	21.688	ug/l	94
13) Acrolein	3.735	56	4036	60.231	ug/l	94
14) Allyl chloride	4.485	41	53495	22.014	ug/l	97
15) Acrylonitrile	5.168	53	46045	113.908	ug/l	98
16) Acetone	3.954	43	44276	109.783	ug/l	96
17) Carbon Disulfide	4.198	76	87993	20.822	ug/l	98
18) Methyl Acetate	4.485	43	31690	23.303	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	83324	22.580	ug/l	98
20) Methylene Chloride	4.722	84	38150	25.615	ug/l	90
21) trans-1,2-Dichloroethene	5.228	96	31038	22.156	ug/l	95
22) Diisopropyl ether	6.125	45	107720	22.407	ug/l	97
23) Vinyl Acetate	6.070	43	316829	109.951	ug/l	99
24) 1,1-Dichloroethane	6.021	63	57459	22.264	ug/l	97
25) 2-Butanone	6.990	43	61947	110.267	ug/l	95
26) 2,2-Dichloropropane	6.990	77	54509	23.096	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	34825	22.196	ug/l	96
28) Bromochloromethane	7.338	49	23190	21.580	ug/l	93
29) Tetrahydrofuran	7.356	42	38476	108.427	ug/l	95
30) Chloroform	7.515	83	59788	23.223	ug/l	97
31) Cyclohexane	7.789	56	56925	20.808	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	54890	23.090	ug/l	99
36) 1,1-Dichloropropene	7.923	75	44965	22.335	ug/l	99
37) Ethyl Acetate	7.082	43	27530	23.473	ug/l	99
38) Carbon Tetrachloride	7.905	117	49693	23.375	ug/l	99
39) Methylcyclohexane	9.185	83	55107	21.792	ug/l	97
40) Benzene	8.161	78	129506	22.674	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	14186m	18.647	ug/l	
42) 1,2-Dichloroethane	8.240	62	44614	24.242	ug/l	99
43) Isopropyl Acetate	8.277	43	52491	23.335	ug/l	99
44) Trichloroethene	8.941	130	34285	23.241	ug/l	96
45) 1,2-Dichloropropane	9.222	63	31765	22.590	ug/l	95
46) Dibromomethane	9.307	93	17083	22.816	ug/l	96
47) Bromodichloromethane	9.496	83	45695	23.702	ug/l	96
48) Methyl methacrylate	9.295	41	24123	22.354	ug/l	97
49) 1,4-Dioxane	9.301	88	4503	460.957	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	134220	114.915	ug/l	97
52) Toluene	10.246	92	81485	23.000	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	48628	23.134	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	53147	22.999	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	24534	23.287	ug/l	98
56) Ethyl methacrylate	10.508	69	36243	22.633	ug/l	92
57) 1,3-Dichloropropane	10.788	76	43372	22.751	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	85337	108.762	ug/l	99
59) 2-Hexanone	10.831	43	96049	115.460	ug/l	98
60) Dibromochloromethane	10.984	129	30233	23.620	ug/l	100
61) 1,2-Dibromoethane	11.093	107	22910	22.967	ug/l	98
64) Tetrachloroethene	10.721	164	40244	26.236	ug/l	95
65) Chlorobenzene	11.520	112	86627	22.955	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	32134	23.106	ug/l	99
67) Ethyl Benzene	11.593	91	158510	22.283	ug/l	98
68) m/p-Xylenes	11.703	106	123099	45.602	ug/l	97
69) o-Xylene	12.032	106	58488	22.941	ug/l	96
70) Styrene	12.044	104	99910	23.076	ug/l	98
71) Bromoform	12.209	173	20740	23.980	ug/l #	97
73) Isopropylbenzene	12.331	105	155486	21.569	ug/l	100
74) N-amyl acetate	12.142	43	46258	20.674	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	25488	19.577	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18361m	18.771	ug/l	
77) Bromobenzene	12.611	156	37296	22.066	ug/l	94
78) n-propylbenzene	12.672	91	192102	21.648	ug/l	99
79) 2-Chlorotoluene	12.758	91	105845	21.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	132528	21.986	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10617	21.330	ug/l	97
82) 4-Chlorotoluene	12.855	91	111755	22.005	ug/l	100
83) tert-Butylbenzene	13.075	119	113957	22.113	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	130895	21.991	ug/l	99
85) sec-Butylbenzene	13.251	105	172259	22.118	ug/l	99
86) p-Isopropyltoluene	13.367	119	146526	22.296	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	74898	22.366	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	74124	22.449	ug/l	100
89) n-Butylbenzene	13.696	91	138336	22.153	ug/l	99
90) Hexachloroethane	13.959	117	26668	22.345	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	66952	22.864	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5357	21.598	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	43755	22.612	ug/l	99
94) Hexachlorobutadiene	15.111	225	29833	23.633	ug/l	99
95) Naphthalene	15.233	128	81050	21.082	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	38461	22.426	ug/l	100

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

