

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102521\
 Data File : VY006456.D
 Acq On : 25 Oct 2021 11:01
 Operator : SY/MD
 Sample : VY1025SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1025SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/26/2021 6:15:58 PM

Quant Time: Oct 26 02:41:01 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	140382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	214860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	201781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	82226	47.598	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.200%
35) Dibromofluoromethane	7.721	113	56061	46.812	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.620%
50) Toluene-d8	10.184	98	244666	48.194	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.380%
62) 4-Bromofluorobenzene	12.483	95	80494	47.069	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	24746	19.070	ug/l	97
3) Chloromethane	2.119	50	33572	19.167	ug/l	98
4) Vinyl Chloride	2.259	62	36716	18.769	ug/l	91
5) Bromomethane	2.643	94	25871	19.851	ug/l	97
6) Chloroethane	2.796	64	20483	17.732	ug/l	93
7) Trichlorofluoromethane	3.131	101	45602	18.359	ug/l	98
8) Diethyl Ether	3.533	74	15407	18.940	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	22875	18.089	ug/l	99
10) Methyl Iodide	4.100	142	18171	16.871	ug/l	98
11) Tert butyl alcohol	4.960	59	15275	97.332	ug/l #	88
12) 1,1-Dichloroethene	3.881	96	22754	17.953	ug/l	97
13) Acrolein	3.728	56	11574	106.679	ug/l	97
14) Allyl chloride	4.490	41	47650	18.267	ug/l	99
15) Acrylonitrile	5.167	53	43846	95.713	ug/l	99
16) Acetone	3.948	43	45556	91.584	ug/l	98
17) Carbon Disulfide	4.198	76	70429	16.942	ug/l	99
18) Methyl Acetate	4.478	43	30573	18.954	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	76183	18.749	ug/l	94
20) Methylene Chloride	4.722	84	30405	17.035	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	25574	17.794	ug/l	93
22) Diisopropyl ether	6.124	45	96539	18.569	ug/l	98
23) Vinyl Acetate	6.063	43	292121	92.384	ug/l	98
24) 1,1-Dichloroethane	6.021	63	49295	18.134	ug/l	99
25) 2-Butanone	6.990	43	61795	94.825	ug/l	98
26) 2,2-Dichloropropane	6.990	77	46798	18.099	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	28919	17.625	ug/l	97
28) Bromochloromethane	7.337	49	21874	19.832	ug/l	98
29) Tetrahydrofuran	7.356	42	38806	97.061	ug/l	99
30) Chloroform	7.508	83	50815	18.101	ug/l	100
31) Cyclohexane	7.789	56	48785	17.444	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	47808	18.443	ug/l	100
36) 1,1-Dichloropropene	7.923	75	37416	17.624	ug/l	99
37) Ethyl Acetate	7.075	43	26233	19.525	ug/l	99
38) Carbon Tetrachloride	7.904	117	43036	18.376	ug/l	99
39) Methylcyclohexane	9.185	83	45673	17.673	ug/l	98
40) Benzene	8.167	78	110803	18.299	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.331	41	17502m	22.957	ug/l	
42) 1,2-Dichloroethane	8.240	62	40066	18.530	ug/l	99
43) Isopropyl Acetate	8.276	43	48870	18.750	ug/l	99
44) Trichloroethene	8.941	130	29480	18.878	ug/l	99
45) 1,2-Dichloropropane	9.221	63	27315	18.212	ug/l	100
46) Dibromomethane	9.307	93	15320	18.609	ug/l	98
47) Bromodichloromethane	9.502	83	39496	18.442	ug/l	98
48) Methyl methacrylate	9.294	41	22768	18.848	ug/l	99
49) 1,4-Dioxane	9.300	88	4432	396.534	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	133088	97.407	ug/l	99
52) Toluene	10.245	92	69486	18.290	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	43155	18.705	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	46461	18.587	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	21401	18.801	ug/l	99
56) Ethyl methacrylate	10.514	69	33106	18.826	ug/l	99
57) 1,3-Dichloropropane	10.794	76	38788	18.750	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	81969	102.178	ug/l	99
59) 2-Hexanone	10.837	43	96847	97.938	ug/l	100
60) Dibromochloromethane	10.989	129	26507	18.879	ug/l	100
61) 1,2-Dibromoethane	11.093	107	20000	18.662	ug/l	97
64) Tetrachloroethene	10.721	164	33932	19.232	ug/l	99
65) Chlorobenzene	11.520	112	72882	18.559	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	27694	18.733	ug/l	98
67) Ethyl Benzene	11.593	91	134735	18.018	ug/l	99
68) m/p-Xylenes	11.702	106	104709	37.222	ug/l	96
69) o-Xylene	12.032	106	48897	18.217	ug/l	98
70) Styrene	12.044	104	84188	18.344	ug/l	99
71) Bromoform	12.208	173	17649	18.886	ug/l #	100
73) Isopropylbenzene	12.330	105	130361	18.167	ug/l	99
74) N-amyl acetate	12.141	43	44525	18.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.580	83	22344	17.986	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	18282m	17.295	ug/l	
77) Bromobenzene	12.611	156	31242	18.479	ug/l	99
78) n-propylbenzene	12.672	91	162131	18.283	ug/l	99
79) 2-Chlorotoluene	12.757	91	89339	18.197	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	111594	18.572	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	9216	17.898	ug/l	98
82) 4-Chlorotoluene	12.855	91	92975	18.175	ug/l	100
83) tert-Butylbenzene	13.074	119	97607	18.904	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	111072	18.488	ug/l	99
85) sec-Butylbenzene	13.257	105	144529	18.642	ug/l	99
86) p-Isopropyltoluene	13.373	119	123779	18.714	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	62389	18.387	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	62559	18.751	ug/l	98
89) n-Butylbenzene	13.696	91	113643	18.265	ug/l	99
90) Hexachloroethane	13.964	117	22035	18.446	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	55915	18.787	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5003	18.970	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	36663	18.661	ug/l	98
94) Hexachlorobutadiene	15.110	225	23104	18.348	ug/l	99
95) Naphthalene	15.238	128	72035	18.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	31871	18.524	ug/l	98

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

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