

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101521\
 Data File : VY006399.D
 Acq On : 15 Oct 2021 12:23
 Operator : SY/MD
 Sample : VY1015SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1015SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:50:23 PM

Quant Time: Oct 18 04:44:08 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	138875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	208268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	194455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	68075	45.800	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.600%		
35) Dibromofluoromethane	7.722	113	51163	45.981	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.960%		
50) Toluene-d8	10.185	98	209362	44.958	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.920%		
62) 4-Bromofluorobenzene	12.483	95	72758	45.992	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.980%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	28803	20.447	ug/l	99
3) Chloromethane	2.119	50	32548	19.837	ug/l	97
4) Vinyl Chloride	2.259	62	36569	20.110	ug/l	99
5) Bromomethane	2.643	94	26140	22.119	ug/l	93
6) Chloroethane	2.796	64	23359	21.832	ug/l	96
7) Trichlorofluoromethane	3.131	101	50812	21.214	ug/l	100
8) Diethyl Ether	3.533	74	16114	20.369	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	26307	20.575	ug/l	97
10) Methyl Iodide	4.094	142	22762	16.335	ug/l	96
11) Tert butyl alcohol	4.972	59	14922	114.767	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	25775	19.816	ug/l	89
13) Acrolein	3.735	56	3953	58.206	ug/l	98
14) Allyl chloride	4.484	41	49781	19.902	ug/l	97
15) Acrylonitrile	5.173	53	43052	103.466	ug/l	98
16) Acetone	3.954	43	42156	101.546	ug/l	93
17) Carbon Disulfide	4.198	76	81549	18.746	ug/l	100
18) Methyl Acetate	4.478	43	29372	20.982	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	76955	20.260	ug/l	93
20) Methylene Chloride	4.722	84	37041	23.932	ug/l	92
21) trans-1,2-Dichloroethene	5.228	96	28370	19.674	ug/l	95
22) Diisopropyl ether	6.118	45	98168	19.838	ug/l	97
23) Vinyl Acetate	6.063	43	291272	98.199	ug/l	97
24) 1,1-Dichloroethane	6.027	63	53302	20.064	ug/l	99
25) 2-Butanone	6.990	43	57762	99.885	ug/l	99
26) 2,2-Dichloropropane	6.990	77	50353	20.727	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	32331	20.019	ug/l	97
28) Bromochloromethane	7.331	49	23427	21.179	ug/l	96
29) Tetrahydrofuran	7.350	42	36879	100.962	ug/l	96
30) Chloroform	7.508	83	55128	20.802	ug/l	98
31) Cyclohexane	7.783	56	52714	18.720	ug/l	98
32) 1,1,1-Trichloroethane	7.709	97	51877	21.201	ug/l	99
36) 1,1-Dichloropropene	7.923	75	42119	20.326	ug/l	98
37) Ethyl Acetate	7.075	43	25271	20.935	ug/l	99
38) Carbon Tetrachloride	7.905	117	46332	21.175	ug/l	98
39) Methylcyclohexane	9.185	83	52264	20.080	ug/l	95
40) Benzene	8.161	78	120511	20.499	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	14070m	17.969	ug/l	
42) 1,2-Dichloroethane	8.240	62	41332	21.820	ug/l	98
43) Isopropyl Acetate	8.276	43	46498	20.083	ug/l	95
44) Trichloroethene	8.941	130	32567	21.449	ug/l	95
45) 1,2-Dichloropropane	9.221	63	29582	20.440	ug/l	98
46) Dibromomethane	9.307	93	15683	20.350	ug/l	95
47) Bromodichloromethane	9.502	83	42477	21.407	ug/l	98
48) Methyl methacrylate	9.295	41	21815	19.640	ug/l	95
49) 1,4-Dioxane	9.301	88	4475	445.069	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	124734	103.757	ug/l	98
52) Toluene	10.246	92	75698	20.759	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	44034	20.353	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	48928	20.572	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	22418	20.674	ug/l	97
56) Ethyl methacrylate	10.514	69	33543	20.351	ug/l	94
57) 1,3-Dichloropropane	10.794	76	40679	20.732	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	83598	103.517	ug/l	97
59) 2-Hexanone	10.831	43	88729	103.629	ug/l	98
60) Dibromochloromethane	10.989	129	28597	21.706	ug/l	97
61) 1,2-Dibromoethane	11.093	107	20789	20.248	ug/l	99
64) Tetrachloroethene	10.721	164	36202	23.117	ug/l	96
65) Chlorobenzene	11.520	112	80014	20.768	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	30378	21.395	ug/l	99
67) Ethyl Benzene	11.593	91	147372	20.292	ug/l	99
68) m/p-Xylenes	11.703	106	112268	40.736	ug/l	98
69) o-Xylene	12.032	106	53917	20.715	ug/l	95
70) Styrene	12.044	104	92790	20.992	ug/l	98
71) Bromoform	12.209	173	18677	21.152	ug/l #	100
73) Isopropylbenzene	12.331	105	142909	19.190	ug/l	99
74) N-amyl acetate	12.142	43	43493	18.816	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	24125	17.937	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	17956m	17.770	ug/l	
77) Bromobenzene	12.611	156	34554	19.790	ug/l	94
78) n-propylbenzene	12.672	91	178659	19.490	ug/l	99
79) 2-Chlorotoluene	12.757	91	98046	19.329	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	123507	19.834	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	9808	19.074	ug/l	97
82) 4-Chlorotoluene	12.855	91	104141	19.850	ug/l	99
83) tert-Butylbenzene	13.074	119	104326	19.597	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	121667	19.787	ug/l	100
85) sec-Butylbenzene	13.251	105	159898	19.875	ug/l	99
86) p-Isopropyltoluene	13.373	119	135465	19.953	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	69713	20.152	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	68834	20.180	ug/l	100
89) n-Butylbenzene	13.696	91	125597	19.470	ug/l	99
90) Hexachloroethane	13.958	117	24352	19.751	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	62212	20.566	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4986	19.459	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	39915	19.968	ug/l	99
94) Hexachlorobutadiene	15.111	225	27098	20.780	ug/l	99
95) Naphthalene	15.239	128	74602	18.784	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	34970	19.738	ug/l	99

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

