

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070221\
 Data File : VY005334.D
 Acq On : 02 Jul 2021 11:35
 Operator : SY/MD
 Sample : VY0702SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBS01

Manual Integrations
 APPROVED

SAM
 7/6/2021 1:57:18 PM

Quant Time: Jul 05 01:02:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	239071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	344899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	322063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	172698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	116429	58.686	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.380%	
35) Dibromofluoromethane	7.722	113	108077	53.134	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.260%	
50) Toluene-d8	10.185	98	427875	52.601	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.200%	
62) 4-Bromofluorobenzene	12.483	95	144126	53.171	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.340%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	34513	21.955	ug/l	98
3) Chloromethane	2.119	50	46664	22.288	ug/l	98
4) Vinyl Chloride	2.253	62	57091	23.850	ug/l	98
5) Bromomethane	2.637	94	39832	26.234	ug/l	98
6) Chloroethane	2.790	64	36793	23.505	ug/l	97
7) Trichlorofluoromethane	3.125	101	70015	21.879	ug/l	100
8) Diethyl Ether	3.533	74	25915	21.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	42531	21.709	ug/l	99
10) Methyl Iodide	4.094	142	45989	16.501	ug/l	97
11) Tert butyl alcohol	4.960	59	36148	112.524	ug/l	96
12) 1,1-Dichloroethene	3.875	96	41082	20.755	ug/l	98
13) Acrolein	3.728	56	11624	119.240	ug/l	94
14) Allyl chloride	4.484	41	62211	21.880	ug/l	93
15) Acrylonitrile	5.173	53	61696	110.942	ug/l	99
16) Acetone	3.954	43	53173	116.018	ug/l	97
17) Carbon Disulfide	4.198	76	129571	20.812	ug/l	99
18) Methyl Acetate	4.484	43	29042	23.843	ug/l	94
19) Methyl tert-butyl Ether	5.234	73	110969	20.505	ug/l	100
20) Methylene Chloride	4.716	84	61183	19.982	ug/l	93
21) trans-1,2-Dichloroethene	5.222	96	46595	21.141	ug/l	97
22) Diisopropyl ether	6.130	45	137573	23.276	ug/l	96
23) Vinyl Acetate	6.069	43	438802	114.722	ug/l	96
24) 1,1-Dichloroethane	6.027	63	80929	22.062	ug/l	99
25) 2-Butanone	6.996	43	78929	118.105	ug/l	95
26) 2,2-Dichloropropane	6.990	77	71539	22.364	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	50886	20.528	ug/l	93
28) Bromochloromethane	7.338	49	33898	23.096	ug/l	89
29) Tetrahydrofuran	7.356	42	50651	115.196	ug/l	93
30) Chloroform	7.514	83	81680	21.881	ug/l	99
31) Cyclohexane	7.789	56	74011	20.896	ug/l	98
32) 1,1,1-Trichloroethane	7.703	97	72449	21.760	ug/l	97
36) 1,1-Dichloropropene	7.923	75	63868	21.030	ug/l	98
37) Ethyl Acetate	7.081	43	35859	22.896	ug/l	98
38) Carbon Tetrachloride	7.904	117	66233	20.833	ug/l	98
39) Methylcyclohexane	9.185	83	75333	19.166	ug/l	96
40) Benzene	8.167	78	184520	20.604	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	19301m	22.221	ug/l	
42) 1,2-Dichloroethane	8.240	62	54650	22.467	ug/l	97
43) Isopropyl Acetate	8.276	43	64416	22.377	ug/l	95
44) Trichloroethene	8.941	130	51223	20.231	ug/l	97
45) 1,2-Dichloropropane	9.221	63	46467	21.684	ug/l	99
46) Dibromomethane	9.307	93	26566	21.317	ug/l	95
47) Bromodichloromethane	9.502	83	62858	21.511	ug/l	97
48) Methyl methacrylate	9.294	41	28461	22.536	ug/l	90
49) 1,4-Dioxane	9.307	88	6468	394.674	ug/l #	95
51) 4-Methyl-2-Pentanone	10.075	43	174450	115.780	ug/l	94
52) Toluene	10.246	92	116941	20.429	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	67722	21.172	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	75964	21.065	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	38276	21.032	ug/l	99
56) Ethyl methacrylate	10.514	69	49240	19.931	ug/l #	89
57) 1,3-Dichloropropane	10.794	76	65119	21.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	125969	115.607	ug/l	97
59) 2-Hexanone	10.837	43	121427	117.172	ug/l	92
60) Dibromochloromethane	10.989	129	46645	20.923	ug/l	100
61) 1,2-Dibromoethane	11.093	107	36737	20.752	ug/l	97
64) Tetrachloroethene	10.721	164	46878	19.725	ug/l	98
65) Chlorobenzene	11.520	112	129526	20.291	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	48257	20.368	ug/l	99
67) Ethyl Benzene	11.593	91	218926	19.889	ug/l	99
68) m/p-Xylenes	11.703	106	178192	40.406	ug/l	100
69) o-Xylene	12.032	106	81478	19.511	ug/l	98
70) Styrene	12.044	104	140077	19.949	ug/l	99
71) Bromoform	12.209	173	32363	20.074	ug/l #	100
73) Isopropylbenzene	12.331	105	214872	19.183	ug/l	98
74) N-amyl acetate	12.148	43	57279	21.607	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	45917	20.804	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	32002m	20.894	ug/l	
77) Bromobenzene	12.611	156	57476	19.338	ug/l	95
78) n-propylbenzene	12.672	91	262205	19.852	ug/l	99
79) 2-Chlorotoluene	12.757	91	148101	19.877	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	181520	19.589	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.385	75	15941	19.419	ug/l	92
82) 4-Chlorotoluene	12.855	91	154398	20.030	ug/l	99
83) tert-Butylbenzene	13.080	119	161272	19.522	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	179927	19.640	ug/l	100
85) sec-Butylbenzene	13.257	105	237376	19.751	ug/l	99
86) p-Isopropyltoluene	13.373	119	200817	19.366	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	112135	19.761	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	112767	20.096	ug/l	99
89) n-Butylbenzene	13.702	91	182943	20.083	ug/l	98
90) Hexachloroethane	13.964	117	38158	20.370	ug/l	94
91) 1,2-Dichlorobenzene	13.745	146	99995	19.878	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7876	21.423	ug/l	82
93) 1,2,4-Trichlorobenzene	15.013	180	65386	18.442	ug/l	99
94) Hexachlorobutadiene	15.117	225	41071	18.509	ug/l	98
95) Naphthalene	15.239	128	119310	18.232	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	58390	18.699	ug/l	100

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

