

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070221\
 Data File : VY005335.D
 Acq On : 02 Jul 2021 11:58
 Operator : SY/MD
 Sample : VY0702SBSD01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0702SBSD01

Manual Integrations
 APPROVED

SAM
 7/6/2021 1:57:26 PM

Quant Time: Jul 05 01:03:28 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	7.801	168	250142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	357841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	335791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	117116	56.419	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.840%			
35) Dibromofluoromethane	7.728	113	108980	51.640	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.280%			
50) Toluene-d8	10.185	98	437557	51.846	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.483	95	148336	52.745	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.500%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35138	21.363	ug/l	99
3) Chloromethane	2.119	50	50570	23.085	ug/l	98
4) Vinyl Chloride	2.253	62	62404	24.916	ug/l	99
5) Bromomethane	2.637	94	42832	26.962	ug/l	100
6) Chloroethane	2.790	64	39892	24.356	ug/l	97
7) Trichlorofluoromethane	3.125	101	74011	22.104	ug/l	98
8) Diethyl Ether	3.534	74	25975	20.737	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.905	101	44956	21.931	ug/l	98
10) Methyl Iodide	4.101	142	49944	17.127	ug/l	99
11) Tert butyl alcohol	4.972	59	39145	119.592	ug/l	96
12) 1,1-Dichloroethene	3.875	96	43437	20.973	ug/l	96
13) Acrolein	3.735	56	12112	118.747	ug/l	98
14) Allyl chloride	4.491	41	65436	21.996	ug/l	93
15) Acrylonitrile	5.173	53	64959	111.639	ug/l	99
16) Acetone	3.960	43	55087	114.874	ug/l	94
17) Carbon Disulfide	4.198	76	134308	20.619	ug/l	99
18) Methyl Acetate	4.491	43	30076	23.600	ug/l	94
19) Methyl tert-butyl Ether	5.234	73	118814	20.983	ug/l	98
20) Methylene Chloride	4.728	84	63568	19.767	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	48572	21.062	ug/l	95
22) Diisopropyl ether	6.137	45	144536	23.371	ug/l	96
23) Vinyl Acetate	6.076	43	466928	116.673	ug/l	97
24) 1,1-Dichloroethane	6.027	63	84681	22.063	ug/l	98
25) 2-Butanone	7.002	43	82536	118.036	ug/l	94
26) 2,2-Dichloropropane	6.990	77	74933	22.388	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	54653	21.072	ug/l	96
28) Bromochloromethane	7.344	49	34075	22.189	ug/l	89
29) Tetrahydrofuran	7.362	42	54625	118.735	ug/l	93
30) Chloroform	7.521	83	84855	21.725	ug/l	99
31) Cyclohexane	7.789	56	79071	21.336	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	75378	21.638	ug/l	97
36) 1,1-Dichloropropene	7.923	75	66247	21.024	ug/l	99
37) Ethyl Acetate	7.088	43	37543	23.105	ug/l	97
38) Carbon Tetrachloride	7.911	117	69198	20.979	ug/l	99
39) Methylcyclohexane	9.191	83	81294	19.935	ug/l	98
40) Benzene	8.167	78	194654	20.950	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	18580m	20.617	ug/l	
42) 1,2-Dichloroethane	8.246	62	57362	22.729	ug/l	97
43) Isopropyl Acetate	8.283	43	69190	23.166	ug/l	95
44) Trichloroethene	8.947	130	54149	20.613	ug/l	98
45) 1,2-Dichloropropane	9.222	63	48568	21.845	ug/l	99
46) Dibromomethane	9.313	93	27715	21.435	ug/l	96
47) Bromodichloromethane	9.502	83	65803	21.705	ug/l	99
48) Methyl methacrylate	9.301	41	30145	23.006	ug/l	89
49) 1,4-Dioxane	9.307	88	7766	456.738	ug/l #	89
51) 4-Methyl-2-Pentanone	10.075	43	185905	118.920	ug/l	95
52) Toluene	10.246	92	124059	20.889	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	71384	21.510	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	80231	21.443	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	40225	21.303	ug/l	96
56) Ethyl methacrylate	10.514	69	52003	20.288	ug/l #	88
57) 1,3-Dichloropropane	10.794	76	67662	21.395	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	132064	116.818	ug/l	97
59) 2-Hexanone	10.837	43	128158	119.194	ug/l	93
60) Dibromochloromethane	10.990	129	48405	20.927	ug/l	99
61) 1,2-Dibromoethane	11.093	107	38479	20.950	ug/l	100
64) Tetrachloroethene	10.721	164	49870	20.126	ug/l	96
65) Chlorobenzene	11.520	112	135379	20.341	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	49922	20.209	ug/l	100
67) Ethyl Benzene	11.599	91	232661	20.273	ug/l	100
68) m/p-Xylenes	11.703	106	187089	40.689	ug/l	99
69) o-Xylene	12.032	106	86345	19.831	ug/l	97
70) Styrene	12.044	104	148861	20.334	ug/l	99
71) Bromoform	12.209	173	34205	20.349	ug/l #	99
73) Isopropylbenzene	12.331	105	228232	19.483	ug/l	98
74) N-amyl acetate	12.148	43	62034	22.375	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	47951	20.773	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	34141m	21.313	ug/l	
77) Bromobenzene	12.611	156	60376	19.423	ug/l	95
78) n-propylbenzene	12.672	91	281333	20.366	ug/l	98
79) 2-Chlorotoluene	12.758	91	157156	20.168	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	193011	19.916	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	16977	19.774	ug/l	91
82) 4-Chlorotoluene	12.855	91	164622	20.420	ug/l	98
83) tert-Butylbenzene	13.081	119	174820	20.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	192934	20.137	ug/l	99
85) sec-Butylbenzene	13.257	105	255379	20.317	ug/l	99
86) p-Isopropyltoluene	13.373	119	217342	20.041	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	119213	20.087	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	119134	20.300	ug/l	99
89) n-Butylbenzene	13.696	91	198130	20.797	ug/l	98
90) Hexachloroethane	13.965	117	41315	21.089	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	107144	20.365	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	8093	21.048	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	71297	19.227	ug/l	99
94) Hexachlorobutadiene	15.117	225	45346	19.540	ug/l	99
95) Naphthalene	15.239	128	128654	18.798	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	63424	19.421	ug/l	98

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

