

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091021\
 Data File : VY005985.D
 Acq On : 10 Sep 2021 16:07
 Operator : SY/MD
 Sample : VY0910SBSD01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0910SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2021 7:35:11 PM

Quant Time: Sep 11 01:21:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	288747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	409061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	377205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	202434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	126676	43.535	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.060%
35) Dibromofluoromethane	7.722	113	118979	51.791	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.580%
50) Toluene-d8	10.185	98	469714	48.719	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.440%
62) 4-Bromofluorobenzene	12.483	95	164087	50.685	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	55332	21.462	ug/l	99
3) Chloromethane	2.119	50	51906	19.009	ug/l	99
4) Vinyl Chloride	2.253	62	67712	19.078	ug/l	98
5) Bromomethane	2.644	94	47384	19.787	ug/l	92
6) Chloroethane	2.796	64	37460	17.650	ug/l	96
7) Trichlorofluoromethane	3.131	101	88414	19.501	ug/l	97
8) Diethyl Ether	3.534	74	30787	19.949	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	51638	21.152	ug/l	98
10) Methyl Iodide	4.095	142	55905	18.222	ug/l	96
11) Tert butyl alcohol	4.948	59	59350	103.725	ug/l #	80
12) 1,1-Dichloroethene	3.875	96	50985	20.570	ug/l	90
13) Acrolein	3.735	56	11731	104.469	ug/l	98
14) Allyl chloride	4.485	41	75839	18.193	ug/l	94
15) Acrylonitrile	5.174	53	76912	98.544	ug/l	98
16) Acetone	3.954	43	68856	92.805	ug/l	99
17) Carbon Disulfide	4.204	76	156785	19.804	ug/l	98
18) Methyl Acetate	4.485	43	38426	18.654	ug/l	97
19) Methyl tert-butyl Ether	5.228	73	146472	19.684	ug/l	98
20) Methylene Chloride	4.722	84	70614	22.112	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	57082	20.640	ug/l	94
22) Diisopropyl ether	6.125	45	161108	19.022	ug/l	96
23) Vinyl Acetate	6.070	43	491225	95.573	ug/l	97
24) 1,1-Dichloroethane	6.027	63	95467	19.760	ug/l	98
25) 2-Butanone	6.996	43	102010	97.323	ug/l	97
26) 2,2-Dichloropropane	6.990	77	87335	19.321	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	62932	20.251	ug/l	96
28) Bromochloromethane	7.338	49	37003	18.579	ug/l	92
29) Tetrahydrofuran	7.350	42	65315	96.173	ug/l	96
30) Chloroform	7.509	83	99473	20.064	ug/l	97
31) Cyclohexane	7.789	56	94234	19.201	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	90998	19.713	ug/l	97
36) 1,1-Dichloropropene	7.923	75	77918	20.231	ug/l	99
37) Ethyl Acetate	7.082	43	43194	18.727	ug/l	97
38) Carbon Tetrachloride	7.905	117	83949	20.110	ug/l	98
39) Methylcyclohexane	9.185	83	98320	20.155	ug/l	96
40) Benzene	8.161	78	221555	20.361	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	21782m	16.958	ug/l	
42) 1,2-Dichloroethane	8.240	62	66078	18.695	ug/l	96
43) Isopropyl Acetate	8.277	43	80843	19.297	ug/l	97
44) Trichloroethene	8.941	130	64661	21.190	ug/l	100
45) 1,2-Dichloropropane	9.222	63	55052	20.620	ug/l	100
46) Dibromomethane	9.307	93	32213	20.966	ug/l	97
47) Bromodichloromethane	9.502	83	76009	20.356	ug/l	99
48) Methyl methacrylate	9.295	41	37259	19.350	ug/l	92
49) 1,4-Dioxane	9.301	88	9135	431.704	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	219832	97.388	ug/l	96
52) Toluene	10.246	92	142628	20.338	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	83268	20.111	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	93488	20.579	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	46823	21.276	ug/l	98
56) Ethyl methacrylate	10.514	69	66232	20.792	ug/l #	90
57) 1,3-Dichloropropane	10.795	76	79460	20.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	170300	103.574	ug/l	98
59) 2-Hexanone	10.837	43	155553	98.639	ug/l	94
60) Dibromochloromethane	10.984	129	58549	21.670	ug/l	100
61) 1,2-Dibromoethane	11.093	107	46359	22.114	ug/l	99
64) Tetrachloroethene	10.721	164	65786	21.300	ug/l	95
65) Chlorobenzene	11.520	112	156162	20.633	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	59061	20.845	ug/l	98
67) Ethyl Benzene	11.593	91	276893	20.465	ug/l	99
68) m/p-Xylenes	11.703	106	217351	40.738	ug/l	100
69) o-Xylene	12.032	106	104390	20.840	ug/l	96
70) Styrene	12.044	104	174270	20.397	ug/l	99
71) Bromoform	12.209	173	41050	21.975	ug/l #	100
73) Isopropylbenzene	12.331	105	274387	20.336	ug/l	100
74) N-amyl acetate	12.142	43	73874	19.083	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	56049	21.828	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	36884m	19.467	ug/l	
77) Bromobenzene	12.611	156	71799	21.127	ug/l	98
78) n-propylbenzene	12.672	91	329224	20.416	ug/l	100
79) 2-Chlorotoluene	12.758	91	185547	20.669	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	228645	20.226	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	20745	20.822	ug/l	94
82) 4-Chlorotoluene	12.855	91	195668	20.775	ug/l	98
83) tert-Butylbenzene	13.075	119	202018	20.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	228452	20.373	ug/l	100
85) sec-Butylbenzene	13.251	105	299098	20.538	ug/l	100
86) p-Isopropyltoluene	13.367	119	256366	20.316	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	138859	20.999	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	139240	21.080	ug/l	99
89) n-Butylbenzene	13.696	91	232212	20.567	ug/l	99
90) Hexachloroethane	13.959	117	48102	21.005	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	124301	21.199	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9753	20.252	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	85597	21.627	ug/l	99
94) Hexachlorobutadiene	15.111	225	55505	21.771	ug/l	100
95) Naphthalene	15.239	128	162166	21.327	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	74756	21.634	ug/l	99

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

