

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081321\
 Data File : VY005632.D
 Acq On : 13 Aug 2021 14:33
 Operator : SY/MD
 Sample : VY0813SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:05:35 PM

Quant Time: Aug 14 03:34:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	276639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	385509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	339298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	179157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	144232	51.506	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.020%
35) Dibromofluoromethane	7.722	113	119881	55.542	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.080%
50) Toluene-d8	10.185	98	433027	47.837	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.680%
62) 4-Bromofluorobenzene	12.483	95	148671	49.597	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	49752	21.897	ug/l	95
3) Chloromethane	2.119	50	55452	20.431	ug/l	98
4) Vinyl Chloride	2.259	62	69912	21.505	ug/l	99
5) Bromomethane	2.643	94	46984	21.957	ug/l	97
6) Chloroethane	2.796	64	44454	22.654	ug/l	99
7) Trichlorofluoromethane	3.131	101	96432	22.155	ug/l	100
8) Diethyl Ether	3.534	74	35375	23.270	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	54170	22.944	ug/l	98
10) Methyl Iodide	4.101	142	67183	22.841	ug/l	97
11) Tert butyl alcohol	4.972	59	36471	131.747	ug/l	98
12) 1,1-Dichloroethene	3.875	96	54277	22.766	ug/l	95
13) Acrolein	3.735	56	15869	95.012	ug/l	98
14) Allyl chloride	4.491	41	96556	23.123	ug/l	98
15) Acrylonitrile	5.173	53	94685	121.531	ug/l	99
16) Acetone	3.954	43	76226	107.966	ug/l	94
17) Carbon Disulfide	4.198	76	164781	22.422	ug/l	98
18) Methyl Acetate	4.485	43	47404	25.672	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	174404	23.614	ug/l	99
20) Methylene Chloride	4.722	84	77175	24.483	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	59999	22.510	ug/l	98
22) Diisopropyl ether	6.131	45	204125	23.696	ug/l	98
23) Vinyl Acetate	6.070	43	671416	117.116	ug/l	99
24) 1,1-Dichloroethane	6.027	63	111451	23.345	ug/l	98
25) 2-Butanone	6.996	43	122705	117.575	ug/l	97
26) 2,2-Dichloropropane	6.990	77	94333	21.627	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	68234	22.508	ug/l	96
28) Bromochloromethane	7.344	49	49386	25.918	ug/l	96
29) Tetrahydrofuran	7.356	42	83360	120.763	ug/l	99
30) Chloroform	7.515	83	111616	22.907	ug/l	97
31) Cyclohexane	7.789	56	105871	22.042	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	97973	21.873	ug/l	99
36) 1,1-Dichloropropene	7.923	75	85414	23.622	ug/l	99
37) Ethyl Acetate	7.082	43	55801	25.474	ug/l	100
38) Carbon Tetrachloride	7.905	117	87921	22.373	ug/l	98
39) Methylcyclohexane	9.185	83	94519	20.547	ug/l	95
40) Benzene	8.167	78	249293	24.076	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	29986m	25.230	ug/l	
42) 1,2-Dichloroethane	8.246	62	80299	23.908	ug/l	99
43) Isopropyl Acetate	8.277	43	103354	24.922	ug/l	100
44) Trichloroethene	8.947	130	60441	21.387	ug/l	99
45) 1,2-Dichloropropane	9.222	63	57068	22.030	ug/l	99
46) Dibromomethane	9.307	93	31944	22.302	ug/l	95
47) Bromodichloromethane	9.502	83	77264	21.554	ug/l	99
48) Methyl methacrylate	9.301	41	42184	22.507	ug/l	98
49) 1,4-Dioxane	9.307	88	8771	440.617	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	249348	114.169	ug/l	99
52) Toluene	10.246	92	139510	21.131	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	84942	21.203	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	93956	21.611	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	45322	21.869	ug/l	98
56) Ethyl methacrylate	10.514	69	68682	22.133	ug/l	100
57) 1,3-Dichloropropane	10.794	76	80946	22.149	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	160291	108.103	ug/l	97
59) 2-Hexanone	10.837	43	176366	114.252	ug/l	98
60) Dibromochloromethane	10.990	129	54695	21.326	ug/l	99
61) 1,2-Dibromoethane	11.093	107	42724	21.763	ug/l	99
64) Tetrachloroethene	10.721	164	58638	22.704	ug/l	98
65) Chlorobenzene	11.520	112	149587	21.909	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	56122	21.839	ug/l	99
67) Ethyl Benzene	11.593	91	268439	21.682	ug/l	97
68) m/p-Xylenes	11.703	106	209597	43.586	ug/l	98
69) o-Xylene	12.032	106	99860	21.606	ug/l	99
70) Styrene	12.044	104	169320	21.764	ug/l	99
71) Bromoform	12.209	173	38020	22.814	ug/l #	99
73) Isopropylbenzene	12.331	105	264074	21.116	ug/l	99
74) N-amyl acetate	12.148	43	87141	23.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	55401	23.033	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	40023m	21.557	ug/l	
77) Bromobenzene	12.611	156	65627	21.360	ug/l	96
78) n-propylbenzene	12.672	91	319247	21.494	ug/l	99
79) 2-Chlorotoluene	12.758	91	180592	21.653	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	221697	21.361	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	20720	22.498	ug/l	95
82) 4-Chlorotoluene	12.855	91	185379	21.482	ug/l	99
83) tert-Butylbenzene	13.075	119	195985	21.045	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	221441	21.624	ug/l	100
85) sec-Butylbenzene	13.257	105	288316	21.464	ug/l	99
86) p-Isopropyltoluene	13.373	119	242746	21.049	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	128549	21.442	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	127869	21.500	ug/l	98
89) n-Butylbenzene	13.696	91	226935	21.721	ug/l	100
90) Hexachloroethane	13.965	117	44945	21.677	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	115646	21.839	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	10213	22.398	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	80242	22.059	ug/l	99
94) Hexachlorobutadiene	15.111	225	51519	21.873	ug/l	98
95) Naphthalene	15.239	128	160388	22.367	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	71029	22.040	ug/l	98

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

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