

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082721\
 Data File : VY005874.D
 Acq On : 27 Aug 2021 11:37
 Operator : SY/MD
 Sample : VY0827SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0827SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2021 6:08:44 PM

Quant Time: Aug 28 03:50:05 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	199538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	290095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	266999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	100488	49.751	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.500%
35) Dibromofluoromethane	7.728	113	83832	51.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.240%
50) Toluene-d8	10.185	98	332997	48.886	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.483	95	114491	50.757	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	38410	23.437	ug/l	98
3) Chloromethane	2.119	50	40707	20.794	ug/l	98
4) Vinyl Chloride	2.260	62	51704	22.050	ug/l	99
5) Bromomethane	2.650	94	39944	25.880	ug/l	99
6) Chloroethane	2.796	64	35133	24.822	ug/l	95
7) Trichlorofluoromethane	3.131	101	71860	22.889	ug/l	99
8) Diethyl Ether	3.540	74	24320	22.179	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	39018	22.912	ug/l	99
10) Methyl Iodide	4.101	142	40857	19.258	ug/l	99
11) Tert butyl alcohol	4.960	59	33572	168.135	ug/l #	92
12) 1,1-Dichloroethene	3.887	96	38687	22.497	ug/l	95
13) Acrolein	3.735	56	8186	67.950	ug/l	98
14) Allyl chloride	4.485	41	67351	22.362	ug/l	99
15) Acrylonitrile	5.174	53	63291	112.626	ug/l	99
16) Acetone	3.960	43	67981	133.493	ug/l	98
17) Carbon Disulfide	4.198	76	110541	20.853	ug/l	99
18) Methyl Acetate	4.491	43	29846	22.409	ug/l	100
19) Methyl tert-butyl Ether	5.235	73	119145	22.365	ug/l	99
20) Methylene Chloride	4.729	84	49177	20.824	ug/l	94
21) trans-1,2-Dichloroethene	5.229	96	43306	22.525	ug/l	99
22) Diisopropyl ether	6.131	45	144489	23.254	ug/l	100
23) Vinyl Acetate	6.070	43	462435	111.831	ug/l	99
24) 1,1-Dichloroethane	6.027	63	80743	23.448	ug/l	99
25) 2-Butanone	6.996	43	89287	118.612	ug/l	100
26) 2,2-Dichloropropane	6.990	77	75994	24.155	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	51115	23.376	ug/l	100
28) Bromochloromethane	7.344	49	37877	27.559	ug/l	99
29) Tetrahydrofuran	7.350	42	54651	109.765	ug/l	99
30) Chloroform	7.515	83	82714	23.534	ug/l	97
31) Cyclohexane	7.789	56	73169	21.119	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	75475	23.361	ug/l	99
36) 1,1-Dichloropropene	7.923	75	61981	22.780	ug/l	99
37) Ethyl Acetate	7.082	43	38401	23.297	ug/l	97
38) Carbon Tetrachloride	7.905	117	69826	23.612	ug/l	99
39) Methylcyclohexane	9.185	83	74917	21.642	ug/l	99
40) Benzene	8.167	78	181348	23.275	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	18323m	20.487	ug/l	
42) 1,2-Dichloroethane	8.240	62	58770	23.253	ug/l	100
43) Isopropyl Acetate	8.277	43	69140	22.155	ug/l	99
44) Trichloroethene	8.941	130	49547	23.299	ug/l	98
45) 1,2-Dichloropropane	9.222	63	45846	23.519	ug/l	99
46) Dibromomethane	9.307	93	25206	23.386	ug/l	97
47) Bromodichloromethane	9.502	83	62779	23.273	ug/l	96
48) Methyl methacrylate	9.295	41	30804	21.841	ug/l	99
49) 1,4-Dioxane	9.301	88	7000	467.310	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	189636	115.387	ug/l	99
52) Toluene	10.246	92	115255	23.199	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	68011	22.560	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	75630	23.117	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	36828	23.615	ug/l	97
56) Ethyl methacrylate	10.514	69	52015	22.275	ug/l	99
57) 1,3-Dichloropropane	10.795	76	64735	23.540	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	123873	111.019	ug/l	100
59) 2-Hexanone	10.837	43	137097	118.024	ug/l	100
60) Dibromochloromethane	10.984	129	44869	23.249	ug/l	100
61) 1,2-Dibromoethane	11.093	107	33591	22.739	ug/l	99
64) Tetrachloroethene	10.721	164	50600	24.897	ug/l	99
65) Chlorobenzene	11.520	112	125239	23.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	47397	23.438	ug/l	99
67) Ethyl Benzene	11.593	91	222198	22.806	ug/l	100
68) m/p-Xylenes	11.703	106	176430	46.624	ug/l	99
69) o-Xylene	12.032	106	84067	23.114	ug/l	97
70) Styrene	12.044	104	141288	23.079	ug/l	99
71) Bromoform	12.209	173	30644	23.367	ug/l #	99
73) Isopropylbenzene	12.331	105	222841	21.898	ug/l	99
74) N-amyl acetate	12.142	43	64157	20.943	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	42797	21.865	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	29641m	19.619	ug/l	
77) Bromobenzene	12.611	156	54209	21.682	ug/l	97
78) n-propylbenzene	12.672	91	270212	22.356	ug/l	100
79) 2-Chlorotoluene	12.758	91	149567	22.038	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	184101	21.799	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	16494	22.008	ug/l	94
82) 4-Chlorotoluene	12.855	91	154004	21.931	ug/l	99
83) tert-Butylbenzene	13.075	119	164348	21.687	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	185555	22.267	ug/l	99
85) sec-Butylbenzene	13.251	105	244654	22.383	ug/l	99
86) p-Isopropyltoluene	13.367	119	209945	22.371	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	107415	22.018	ug/l	97
88) 1,4-Dichlorobenzene	13.447	146	108383	22.395	ug/l	98
89) n-Butylbenzene	13.697	91	189025	22.233	ug/l	99
90) Hexachloroethane	13.959	117	38676	22.923	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	97940	22.728	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8194	22.083	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	66310	22.401	ug/l	100
94) Hexachlorobutadiene	15.111	225	44324	23.126	ug/l	98
95) Naphthalene	15.239	128	121735	20.862	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	57761	22.026	ug/l	99

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

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