

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082721\
 Data File : VY005875.D
 Acq On : 27 Aug 2021 11:59
 Operator : SY/MD
 Sample : VY0827SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0827SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/30/2021 6:08:46 PM

Quant Time: Aug 28 03:50:23 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	197257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	284128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	264930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	103006	51.587	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.180%	
35) Dibromofluoromethane	7.722	113	87847	55.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.440%	
50) Toluene-d8	10.185	98	341877	51.244	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.480%	
62) 4-Bromofluorobenzene	12.483	95	120582	54.580	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.160%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	40327	24.891	ug/l	98
3) Chloromethane	2.119	50	47007	24.289	ug/l	98
4) Vinyl Chloride	2.253	62	60379	26.047	ug/l	97
5) Bromomethane	2.644	94	38550	25.266	ug/l	99
6) Chloroethane	2.796	64	35210	25.164	ug/l	97
7) Trichlorofluoromethane	3.131	101	72626	23.400	ug/l	99
8) Diethyl Ether	3.534	74	23975	22.117	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.906	101	39740	23.606	ug/l	99
10) Methyl Iodide	4.101	142	41642	19.855	ug/l	100
11) Tert butyl alcohol	4.954	59	42022	212.887	ug/l #	90
12) 1,1-Dichloroethene	3.881	96	38054	22.385	ug/l	96
13) Acrolein	3.729	56	8917	74.874	ug/l	93
14) Allyl chloride	4.485	41	67097	22.535	ug/l	99
15) Acrylonitrile	5.168	53	64002	115.208	ug/l	99
16) Acetone	3.954	43	65134	129.382	ug/l	96
17) Carbon Disulfide	4.198	76	109359	20.869	ug/l	99
18) Methyl Acetate	4.479	43	29968	22.761	ug/l	100
19) Methyl tert-butyl Ether	5.229	73	118888	22.575	ug/l	99
20) Methylene Chloride	4.723	84	51992	22.751	ug/l	92
21) trans-1,2-Dichloroethene	5.229	96	43229	22.745	ug/l	98
22) Diisopropyl ether	6.125	45	144424	23.512	ug/l	97
23) Vinyl Acetate	6.070	43	459657	112.445	ug/l	100
24) 1,1-Dichloroethane	6.027	63	81004	23.796	ug/l	98
25) 2-Butanone	6.990	43	86998	116.907	ug/l	99
26) 2,2-Dichloropropane	6.990	77	75468	24.265	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	50477	23.351	ug/l	99
28) Bromochloromethane	7.344	49	36961	27.204	ug/l	99
29) Tetrahydrofuran	7.356	42	54314	110.349	ug/l	99
30) Chloroform	7.515	83	83398	24.003	ug/l	93
31) Cyclohexane	7.789	56	75186	21.952	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	75527	23.647	ug/l	99
36) 1,1-Dichloropropene	7.923	75	62638	23.505	ug/l	100
37) Ethyl Acetate	7.082	43	39570	24.510	ug/l	99
38) Carbon Tetrachloride	7.905	117	69129	23.868	ug/l	98
39) Methylcyclohexane	9.191	83	75497	22.268	ug/l	99
40) Benzene	8.167	78	178539	23.396	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	21630m	24.693	ug/l	
42) 1,2-Dichloroethane	8.240	62	59465	24.023	ug/l	100
43) Isopropyl Acetate	8.277	43	69161	22.627	ug/l	99
44) Trichloroethene	8.941	130	50327	24.163	ug/l	99
45) 1,2-Dichloropropane	9.222	63	45031	23.586	ug/l	99
46) Dibromomethane	9.307	93	25466	24.123	ug/l	97
47) Bromodichloromethane	9.502	83	63553	24.055	ug/l	95
48) Methyl methacrylate	9.295	41	30735	22.250	ug/l	97
49) 1,4-Dioxane	9.307	88	7148	487.211	ug/l	95
51) 4-Methyl-2-Pentanone	10.075	43	190086	118.090	ug/l	99
52) Toluene	10.246	92	114587	23.548	ug/l	99
53) t-1,3-Dichloropropene	10.472	75	69578	23.565	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	76299	23.811	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	37375	24.469	ug/l	98
56) Ethyl methacrylate	10.514	69	52133	22.794	ug/l	98
57) 1,3-Dichloropropane	10.795	76	64283	23.866	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	129280	118.299	ug/l	100
59) 2-Hexanone	10.837	43	134202	117.959	ug/l	99
60) Dibromochloromethane	10.990	129	44028	23.292	ug/l	97
61) 1,2-Dibromoethane	11.093	107	34427	23.794	ug/l	99
64) Tetrachloroethene	10.721	164	50184	24.885	ug/l	98
65) Chlorobenzene	11.520	112	127623	23.939	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	47449	23.647	ug/l	99
67) Ethyl Benzene	11.593	91	223141	23.082	ug/l	99
68) m/p-Xylenes	11.703	106	174415	46.451	ug/l	100
69) o-Xylene	12.032	106	82697	22.915	ug/l	99
70) Styrene	12.044	104	141434	23.283	ug/l	98
71) Bromoform	12.209	173	31124	23.919	ug/l #	99
73) Isopropylbenzene	12.331	105	221008	22.326	ug/l	99
74) N-amyl acetate	12.142	43	62850	21.091	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	43054	22.612	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29773m	20.259	ug/l	
77) Bromobenzene	12.611	156	54399	22.367	ug/l	96
78) n-propylbenzene	12.672	91	271674	23.107	ug/l	100
79) 2-Chlorotoluene	12.758	91	150987	22.870	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	188372	22.929	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	16954	23.256	ug/l	94
82) 4-Chlorotoluene	12.855	91	157888	23.114	ug/l	98
83) tert-Butylbenzene	13.075	119	162525	22.047	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	186847	23.050	ug/l	99
85) sec-Butylbenzene	13.252	105	244984	23.041	ug/l	99
86) p-Isopropyltoluene	13.373	119	210050	23.010	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	111051	23.401	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	108370	23.020	ug/l	98
89) n-Butylbenzene	13.697	91	190144	22.991	ug/l	99
90) Hexachloroethane	13.959	117	37915	23.101	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	97322	23.218	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7894	21.871	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	66058	22.941	ug/l	98
94) Hexachlorobutadiene	15.111	225	42883	23.001	ug/l	99
95) Naphthalene	15.239	128	120804	21.283	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	57617	22.586	ug/l	99

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

