

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
 Data File : VY004875.D
 Acq On : 26 May 2021 10:48
 Operator : SY/MD
 Sample : VY0526SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0526SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:32:50 AM

Quant Time: May 27 01:12:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	191352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	319422	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	287811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	135129	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	117760	51.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.40%			
35) Dibromofluoromethane	7.722	113	97038	55.49	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.98%			
50) Toluene-d8	10.185	98	417199	52.81	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.62%			
62) 4-Bromofluorobenzene	12.483	95	132367	49.65	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.30%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	36901	21.06	ug/l	98
3) Chloromethane	2.119	50	56532	19.91	ug/l	100
4) Vinyl Chloride	2.253	62	53558	18.43	ug/l	99
5) Bromomethane	2.650	94	33628	22.69	ug/l	97
6) Chloroethane	2.796	64	33458	19.51	ug/l	98
7) Trichlorofluoromethane	3.131	101	71160	20.63	ug/l	97
8) Diethyl Ether	3.534	74	26195	21.49	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.899	101	41493	21.20	ug/l	98
10) Methyl Iodide	4.095	142	32430	15.50	ug/l	98
11) Tert butyl alcohol	4.979	59	23555	102.91	ug/l	98
12) 1,1-Dichloroethene	3.875	96	39198	20.72	ug/l	95
13) Acrolein	3.735	56	20852	77.49	ug/l	98
14) Allyl chloride	4.491	41	75318	20.38	ug/l	99
15) Acrylonitrile	5.174	53	63433	103.83	ug/l	98
16) Acetone	3.954	43	49403	96.57	ug/l	98
17) Carbon Disulfide	4.198	76	119790	20.74	ug/l	98
18) Methyl Acetate	4.485	43	33320	20.42	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	109298	21.01	ug/l	99
20) Methylene Chloride	4.722	84	60466	20.45	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	47677	22.19	ug/l	99
22) Diisopropyl ether	6.125	45	155130	21.82	ug/l	99
23) Vinyl Acetate	6.070	43	546101	102.28	ug/l	99
24) 1,1-Dichloroethane	6.027	63	87321	21.83	ug/l	99
25) 2-Butanone	6.996	43	87254	96.00	ug/l	98
26) 2,2-Dichloropropane	6.990	77	76166	21.80	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	51884	21.74	ug/l	99
28) Bromochloromethane	7.338	49	43113	22.06	ug/l	99
29) Tetrahydrofuran	7.356	42	56837	98.03	ug/l	99
30) Chloroform	7.515	83	86846	22.03	ug/l	100
31) Cyclohexane	7.789	56	78712	21.35	ug/l	93
32) 1,1,1-Trichloroethane	7.710	97	75348	21.33	ug/l	99
36) 1,1-Dichloropropene	7.923	75	68286	20.86	ug/l	99
37) Ethyl Acetate	7.082	43	43875	19.56	ug/l	98
38) Carbon Tetrachloride	7.905	117	60294	20.49	ug/l	98
39) Methylcyclohexane	9.185	83	74033	20.74	ug/l	98
40) Benzene	8.167	78	200082	21.62	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	20554	16.77	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	58757	20.10	ug/l	99
43) Isopropyl Acetate	8.283	43	80597	19.35	ug/l	98
44) Trichloroethene	8.941	130	51901	20.86	ug/l	99
45) 1,2-Dichloropropane	9.222	63	51986	21.47	ug/l	99
46) Dibromomethane	9.313	93	27238	20.23	ug/l	98
47) Bromodichloromethane	9.502	83	65933	20.64	ug/l	98
48) Methyl methacrylate	9.295	41	36536	19.28	ug/l	97
49) 1,4-Dioxane	9.313	88	5808	366.35	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	213468	95.27	ug/l	99
52) Toluene	10.246	92	121034	20.71	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	71260	20.14	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	82595	20.98	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	38426	20.74	ug/l	97
56) Ethyl methacrylate	10.514	69	52556	19.61	ug/l	95
57) 1,3-Dichloropropane	10.795	76	68982	20.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	147087	106.34	ug/l	99
59) 2-Hexanone	10.837	43	142170	93.64	ug/l	97
60) Dibromochloromethane	10.990	129	44507	20.20	ug/l	98
61) 1,2-Dibromoethane	11.093	107	35546	19.90	ug/l	97
64) Tetrachloroethene	10.721	164	54423	20.93	ug/l	97
65) Chlorobenzene	11.520	112	126266	21.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	45381	21.07	ug/l	99
67) Ethyl Benzene	11.593	91	232976	21.17	ug/l	99
68) m/p-Xylenes	11.703	106	174565	42.22	ug/l	100
69) o-Xylene	12.032	106	79906	20.68	ug/l	97
70) Styrene	12.044	104	136254	21.03	ug/l	98
71) Bromoform	12.209	173	25067	19.22	ug/l #	98
73) Isopropylbenzene	12.331	105	212072	20.80	ug/l	99
74) N-amyl acetate	12.148	43	71323	19.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	40887	20.10	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29712m	20.70	ug/l	
77) Bromobenzene	12.611	156	48550	21.09	ug/l	97
78) n-propylbenzene	12.672	91	268680	21.60	ug/l	100
79) 2-Chlorotoluene	12.758	91	147104	21.55	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	181353	21.42	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	16280	19.67	ug/l	96
82) 4-Chlorotoluene	12.855	91	153057	21.59	ug/l	100
83) tert-Butylbenzene	13.075	119	154250	21.34	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	184499	21.77	ug/l	100
85) sec-Butylbenzene	13.258	105	224667	21.38	ug/l	99
86) p-Isopropyltoluene	13.373	119	192536	21.14	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	95614	21.18	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	93473	21.01	ug/l	99
89) n-Butylbenzene	13.696	91	189323	21.26	ug/l	100
90) Hexachloroethane	13.965	117	28881	22.51	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	84769	21.28	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7336	19.30	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	52945	20.64	ug/l	99
94) Hexachlorobutadiene	15.111	225	29303	21.09	ug/l	97
95) Naphthalene	15.239	128	107851	19.43	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	46048	20.28	ug/l	99

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

