

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002730.D
 Acq On : 20 May 2020 15:33
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/21/2020 1:14:39 PM

Quant Time: May 21 09:03:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	440759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	656183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	593674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	300295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	178873	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
35) Dibromofluoromethane	7.72	113	192215	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.18	98	749240	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.48	95	255022	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	145289	46.001	ug/l	96
3) Chloromethane	2.12	50	158642	43.859	ug/l	99
4) Vinyl Chloride	2.26	62	174980	46.425	ug/l	99
5) Bromomethane	2.65	94	130491	46.711	ug/l	99
6) Chloroethane	2.80	64	112836	46.815	ug/l	100
7) Trichlorofluoromethane	3.13	101	311072	48.973	ug/l	99
8) Diethyl Ether	3.54	74	108326	50.132	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	194572	50.533	ug/l	99
10) Methyl Iodide	4.10	142	268334	50.630	ug/l	99
11) Tert butyl alcohol	4.96	59	81641	233.172	ug/l	99
12) 1,1-Dichloroethene	3.88	96	192503	49.793	ug/l	98
13) Acrolein	3.74	56	103716	252.555	ug/l	99
14) Allyl chloride	4.49	41	281818	50.775	ug/l	98
15) Acrylonitrile	5.18	53	244015	249.402	ug/l	99
16) Acetone	3.96	43	161082	226.646	ug/l	99
17) Carbon Disulfide	4.20	76	585135	48.251	ug/l	99
18) Methyl Acetate	4.49	43	102473	50.568	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	499003	52.036	ug/l	99
20) Methylene Chloride	4.72	84	204715	47.651	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	213424	49.645	ug/l	98
22) Diisopropyl ether	6.13	45	570385	51.798	ug/l	96
23) Vinyl Acetate	6.07	43	1830392	259.590	ug/l	98
24) 1,1-Dichloroethane	6.03	63	335182	50.939	ug/l	99
25) 2-Butanone	6.99	43	291691	248.054	ug/l	99
26) 2,2-Dichloropropane	6.99	77	301862	49.305	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	235032	50.597	ug/l	100
28) Bromochloromethane	7.34	49	124917	47.989	ug/l	99
29) Tetrahydrofuran	7.35	42	201323	251.627	ug/l	100
30) Chloroform	7.52	83	345132	50.537	ug/l	99
31) Cyclohexane	7.79	56	315996	47.349	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	315973	50.073	ug/l	99
36) 1,1-Dichloropropene	7.93	75	274286	49.377	ug/l	100
37) Ethyl Acetate	7.08	43	137304	50.255	ug/l	99
38) Carbon Tetrachloride	7.91	117	297058	49.757	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	369739	49.502	ug/l	97
40) Benzene	8.16	78	801611	49.457	ug/l	99
41) Methacrylonitrile	7.33	41	87268m	53.164	ug/l	
42) 1,2-Dichloroethane	8.24	62	213114	49.853	ug/l	98
43) Isopropyl Acetate	8.28	43	263238	51.843	ug/l	99
44) Trichloroethene	8.94	130	256494	49.646	ug/l	100
45) 1,2-Dichloropropane	9.22	63	194066	50.449	ug/l	99
46) Dibromomethane	9.31	93	110223	51.000	ug/l	99
47) Bromodichloromethane	9.50	83	271933	51.555	ug/l	99
48) Methyl methacrylate	9.29	41	120409	51.504	ug/l	96
49) 1,4-Dioxane	9.30	88	29487	1001.769	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	669163	255.256	ug/l	100
52) Toluene	10.24	92	518109	49.396	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	283845	50.419	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	332346	50.922	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	163627	50.854	ug/l	97
56) Ethyl methacrylate	10.51	69	219864	51.328	ug/l	99
57) 1,3-Dichloropropane	10.79	76	272070	50.459	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	547322	258.825	ug/l	99
59) 2-Hexanone	10.83	43	465250	254.733	ug/l	99
60) Dibromochloromethane	10.99	129	207890	50.575	ug/l	99
61) 1,2-Dibromoethane	11.09	107	161038	50.800	ug/l	100
64) Tetrachloroethene	10.72	164	278043	49.332	ug/l	99
65) Chlorobenzene	11.52	112	575131	50.134	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	216218	50.783	ug/l	99
67) Ethyl Benzene	11.60	91	1005948	49.941	ug/l	99
68) m/p-Xylenes	11.70	106	778582	99.353	ug/l	99
69) o-Xylene	12.03	106	366672	49.852	ug/l	100
70) Styrene	12.04	104	633484	50.164	ug/l	99
71) Bromoform	12.20	173	135296	51.407	ug/l	100
73) Isopropylbenzene	12.33	105	1000554	50.992	ug/l	100
74) N-amyl acetate	12.14	43	246541	53.544	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	150203	51.983	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	129270m	52.403	ug/l	
77) Bromobenzene	12.61	156	275505	56.161	ug/l	90
78) n-propylbenzene	12.67	91	1162249	50.917	ug/l	100
79) 2-Chlorotoluene	12.75	91	639257	50.493	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	830212	50.355	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	67896	52.053	ug/l #	77
82) 4-Chlorotoluene	12.86	91	669251	50.466	ug/l	99
83) tert-Butylbenzene	13.08	119	735662	50.417	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	829972	50.370	ug/l	100
85) sec-Butylbenzene	13.25	105	1018054	50.561	ug/l	100
86) p-Isopropyltoluene	13.37	119	949911	50.401	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	473671	50.079	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	466966	49.589	ug/l	99
89) n-Butylbenzene	13.70	91	866866	50.085	ug/l	99
90) Hexachloroethane	13.96	117	178076	51.013	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	421790	49.724	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	29148	52.604	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	306256	50.113	ug/l	98
94) Hexachlorobutadiene	15.11	225	188096	51.672	ug/l	100
95) Naphthalene	15.23	128	572668	49.019	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	262455	50.465	ug/l	99

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

