

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100520\
 Data File : VY003455.D
 Acq On : 05 Oct 2020 15:50
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 12:55:39 PM

Quant Time: Oct 06 04:10:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 06 04:02:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	462649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	652304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	626077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	355286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	96672	21.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.72%	
35) Dibromofluoromethane	7.72	113	79191	20.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.24%	
50) Toluene-d8	10.18	98	336842	22.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.36%	
62) 4-Bromofluorobenzene	12.48	95	115909	22.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	81486	21.837	ug/l	97
3) Chloromethane	2.12	50	110071	21.413	ug/l	96
4) Vinyl Chloride	2.26	62	120227	23.146	ug/l	97
5) Bromomethane	2.64	94	119225	29.582	ug/l	97
6) Chloroethane	2.79	64	70132	21.524	ug/l	97
7) Trichlorofluoromethane	3.13	101	141972	20.489	ug/l	98
8) Diethyl Ether	3.54	74	46819	19.547	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	78850	19.256	ug/l	99
10) Methyl Iodide	4.10	142	27353	6.228	ug/l	99
11) Tert butyl alcohol	4.97	59	47385	100.243	ug/l	99
12) 1,1-Dichloroethene	3.88	96	75533	18.988	ug/l	98
13) Acrolein	3.74	56	46292	100.465	ug/l	100
14) Allyl chloride	4.49	41	136895	20.270	ug/l	99
15) Acrylonitrile	5.17	53	113819	95.972	ug/l	98
16) Acetone	3.95	43	112792	102.991	ug/l	97
17) Carbon Disulfide	4.19	76	247592	19.061	ug/l	100
18) Methyl Acetate	4.49	43	58332	20.387	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	203229	18.519	ug/l	100
20) Methylene Chloride	4.72	84	100079	13.789	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	92258	20.344	ug/l	96
22) Diisopropyl ether	6.13	45	262644	18.845	ug/l	99
23) Vinyl Acetate	6.07	43	957248	103.103	ug/l	100
24) 1,1-Dichloroethane	6.03	63	158326	20.006	ug/l	99
25) 2-Butanone	6.99	43	170895	103.477	ug/l	100
26) 2,2-Dichloropropane	6.99	77	143227	20.260	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	99978	20.046	ug/l	99
28) Bromochloromethane	7.34	49	76502	23.593	ug/l	98
29) Tetrahydrofuran	7.35	42	102806	97.143	ug/l	99
30) Chloroform	7.51	83	162681	20.642	ug/l	98
31) Cyclohexane	7.78	56	136895	18.067	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	147479	20.485	ug/l	99
36) 1,1-Dichloropropene	7.92	75	127643	20.861	ug/l	100
37) Ethyl Acetate	7.08	43	76277	21.722	ug/l	99
38) Carbon Tetrachloride	7.91	117	136418	21.594	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	139932	18.977	ug/l	98
40) Benzene	8.16	78	361155	21.163	ug/l	99
41) Methacrylonitrile	7.32	41	32760m	16.721	ug/l	
42) 1,2-Dichloroethane	8.24	62	117098	22.341	ug/l	100
43) Isopropyl Acetate	8.28	43	143153	21.571	ug/l	99
44) Trichloroethene	8.94	130	106278	21.613	ug/l	97
45) 1,2-Dichloropropane	9.22	63	91904	20.671	ug/l	99
46) Dibromomethane	9.31	93	52511	20.957	ug/l	99
47) Bromodichloromethane	9.50	83	128336	21.304	ug/l	98
48) Methyl methacrylate	9.29	41	67363	22.271	ug/l	99
49) 1,4-Dioxane	9.30	88	12576	393.146	ug/l #	88
51) 4-Methyl-2-Pentanone	10.07	43	384707	110.217	ug/l	100
52) Toluene	10.24	92	232840	21.677	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	137808	21.406	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	152079	20.934	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	75736	21.573	ug/l	97
56) Ethyl methacrylate	10.51	69	100759	20.745	ug/l	100
57) 1,3-Dichloropropane	10.79	76	131280	21.459	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	270071	117.320	ug/l	100
59) 2-Hexanone	10.83	43	270628	111.051	ug/l	99
60) Dibromochloromethane	10.99	129	95608	21.628	ug/l	98
61) 1,2-Dibromoethane	11.09	107	72516	21.257	ug/l	99
64) Tetrachloroethene	10.72	164	116288	22.084	ug/l	97
65) Chlorobenzene	11.52	112	259702	21.255	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	97490	20.521	ug/l	99
67) Ethyl Benzene	11.59	91	461247	20.944	ug/l	99
68) m/p-Xylenes	11.70	106	352150	42.320	ug/l	100
69) o-Xylene	12.03	106	165101	21.217	ug/l	99
70) Styrene	12.04	104	283259	21.241	ug/l	100
71) Bromoform	12.20	173	66279	21.399	ug/l #	100
73) Isopropylbenzene	12.33	105	456660	20.120	ug/l	99
74) N-amyl acetate	12.14	43	131365	19.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	88977	19.880	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	61747m	19.516	ug/l	
77) Bromobenzene	12.61	156	120647	20.824	ug/l	98
78) n-propylbenzene	12.67	91	541432	19.985	ug/l	99
79) 2-Chlorotoluene	12.75	91	306354	20.306	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	392682	20.518	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	33626	20.107	ug/l	97
82) 4-Chlorotoluene	12.85	91	326312	20.802	ug/l	98
83) tert-Butylbenzene	13.07	119	340026	20.501	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	399684	20.806	ug/l	100
85) sec-Butylbenzene	13.25	105	469459	20.358	ug/l	99
86) p-Isopropyltoluene	13.37	119	452532	20.899	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	232390	20.947	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	231103	21.159	ug/l	99
89) n-Butylbenzene	13.69	91	413554	20.366	ug/l	100
90) Hexachloroethane	13.96	117	70319	17.498	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	210176	21.430	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	17055	23.051	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	156906	22.434	ug/l	99
94) Hexachlorobutadiene	15.11	225	104472	22.647	ug/l	99
95) Naphthalene	15.23	128	276195	23.089	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	137652	24.066	ug/l	99

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

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