

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY043020\
 Data File : VY002511.D
 Acq On : 30 Apr 2020 14:40
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 4:31:03 PM

Quant Time: May 04 12:22:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:07:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	371371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	551766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	504072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	261302	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	29419	9.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.84%	
35) Dibromofluoromethane	7.74	113	30019	9.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.02%	
50) Toluene-d8	10.19	98	118546	9.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.24%	
62) 4-Bromofluorobenzene	12.49	95	40107	9.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	22661	8.035	ug/l	93
3) Chloromethane	2.12	50	26628	8.850	ug/l	96
4) Vinyl Chloride	2.26	62	31249	8.994	ug/l	98
5) Bromomethane	2.66	94	23043	9.618	ug/l	98
6) Chloroethane	2.80	64	19456	9.379	ug/l	98
7) Trichlorofluoromethane	3.14	101	50342	9.349	ug/l	98
8) Diethyl Ether	3.54	74	16660	9.207	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.92	101	30889	9.386	ug/l	99
10) Methyl Iodide	4.11	142	38749	8.643	ug/l	99
11) Tert butyl alcohol	4.98	59	17188	53.502	ug/l	99
12) 1,1-Dichloroethene	3.89	96	29469	9.218	ug/l	97
13) Acrolein	3.75	56	9657	43.471	ug/l	91
14) Allyl chloride	4.50	41	43895	9.424	ug/l	99
15) Acrylonitrile	5.19	53	41780	48.962	ug/l	99
16) Acetone	3.97	43	31854	49.430	ug/l	98
17) Carbon Disulfide	4.21	76	82708	8.600	ug/l	98
18) Methyl Acetate	4.50	43	20708	9.617	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	80288	9.626	ug/l	99
20) Methylene Chloride	4.74	84	36753	10.199	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	32706	9.360	ug/l	95
22) Diisopropyl ether	6.14	45	91514	9.710	ug/l	98
23) Vinyl Acetate	6.08	43	287588	48.519	ug/l	98
24) 1,1-Dichloroethane	6.04	63	53234	9.547	ug/l	97
25) 2-Butanone	7.01	43	52486	49.755	ug/l	97
26) 2,2-Dichloropropane	7.00	77	52488	9.904	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	36689	9.489	ug/l	98
28) Bromochloromethane	7.36	49	22600	9.893	ug/l	100
29) Tetrahydrofuran	7.37	42	34143	48.920	ug/l	97
30) Chloroform	7.53	83	56498	9.745	ug/l	95
31) Cyclohexane	7.80	56	54471	9.705	ug/l #	87
32) 1,1,1-Trichloroethane	7.72	97	52245	9.695	ug/l	97
36) 1,1-Dichloropropene	7.93	75	43616	9.429	ug/l	99
37) Ethyl Acetate	7.10	43	23100	9.718	ug/l	99
38) Carbon Tetrachloride	7.92	117	46911	9.289	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	56242	9.206	ug/l	94
40) Benzene	8.18	78	127292	9.528	ug/l	99
41) Methacrylonitrile	7.35	41	12855m	10.346	ug/l	
42) 1,2-Dichloroethane	8.25	62	36433	9.722	ug/l	98
43) Isopropyl Acetate	8.29	43	42654	9.572	ug/l	99
44) Trichloroethene	8.96	130	39914	9.560	ug/l	94
45) 1,2-Dichloropropane	9.23	63	31347	9.722	ug/l	99
46) Dibromomethane	9.32	93	18044	9.727	ug/l	97
47) Bromodichloromethane	9.51	83	42898	9.510	ug/l	99
48) Methyl methacrylate	9.30	41	19415	9.627	ug/l	97
49) 1,4-Dioxane	9.31	88	4883	198.802	ug/l	93
51) 4-Methyl-2-Pentanone	10.08	43	111083	48.364	ug/l	100
52) Toluene	10.25	92	82844	9.649	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	44704	9.459	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	52427	9.596	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	26317	9.728	ug/l	94
56) Ethyl methacrylate	10.52	69	33200	9.225	ug/l	100
57) 1,3-Dichloropropane	10.80	76	45101	9.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	97044	51.134	ug/l	100
59) 2-Hexanone	10.84	43	75374	47.680	ug/l	99
60) Dibromochloromethane	10.99	129	32607	9.477	ug/l	99
61) 1,2-Dibromoethane	11.10	107	25865	9.656	ug/l	97
64) Tetrachloroethene	10.73	164	42644	9.522	ug/l	97
65) Chlorobenzene	11.52	112	93184	9.724	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	33523	9.424	ug/l	98
67) Ethyl Benzene	11.60	91	160374	9.528	ug/l	99
68) m/p-Xylenes	11.71	106	122610	18.826	ug/l	98
69) o-Xylene	12.03	106	58240	9.551	ug/l	100
70) Styrene	12.05	104	97650	9.367	ug/l	100
71) Bromoform	12.22	173	20650	9.353	ug/l #	100
73) Isopropylbenzene	12.34	105	159706	9.431	ug/l	100
74) N-amyl acetate	12.15	43	38917	9.553	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	25787	9.575	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	22107m	9.478	ug/l	
77) Bromobenzene	12.61	156	39732	9.391	ug/l	97
78) n-propylbenzene	12.67	91	186421	9.486	ug/l	99
79) 2-Chlorotoluene	12.77	91	103997	9.553	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	133048	9.478	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	10439	9.014	ug/l	99
82) 4-Chlorotoluene	12.86	91	108879	9.522	ug/l	98
83) tert-Butylbenzene	13.08	119	115291	9.367	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	133772	9.562	ug/l	99
85) sec-Butylbenzene	13.26	105	163934	9.598	ug/l	100
86) p-Isopropyltoluene	13.38	119	152392	9.522	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	77179	9.638	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	76040	9.590	ug/l	96
89) n-Butylbenzene	13.70	91	139551	9.579	ug/l	99
90) Hexachloroethane	13.97	117	27431	9.412	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	70192	9.823	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	4831	9.623	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	50029	9.644	ug/l	99
94) Hexachlorobutadiene	15.12	225	30740	9.872	ug/l	98
95) Naphthalene	15.24	128	90209	9.532	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	42534	9.658	ug/l	99

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

