

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001847.D
 Acq On : 04 Mar 2020 12:16
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:14 PM

Quant Time: Mar 04 17:51:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 17:21:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	184554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	338579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	129098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	279513	142.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.44%	
35) Dibromofluoromethane	7.74	113	268780	145.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.66%	
50) Toluene-d8	10.19	98	1123365	144.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.44%	
62) 4-Bromofluorobenzene	12.49	95	377959	139.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	231014	137.749	ug/l	97
3) Chloromethane	2.13	50	308216	137.523	ug/l	100
4) Vinyl Chloride	2.26	62	322679	141.108	ug/l	100
5) Bromomethane	2.65	94	182108	121.544	ug/l	96
6) Chloroethane	2.80	64	199527	137.730	ug/l	97
7) Trichlorofluoromethane	3.14	101	436928	138.774	ug/l	96
8) Diethyl Ether	3.55	74	175836	143.657	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.93	101	288005	144.033	ug/l	100
10) Methyl Iodide	4.12	142	365367	157.441	ug/l	99
11) Tert butyl alcohol	4.99	59	142197	627.712	ug/l	100
12) 1,1-Dichloroethene	3.90	96	297075	147.203	ug/l	98
13) Acrolein	3.76	56	187705	683.955	ug/l	99
14) Allyl chloride	4.51	41	520497	144.186	ug/l	99
15) Acrylonitrile	5.20	53	463585	709.007	ug/l	99
16) Acetone	3.97	43	394334	702.598	ug/l	97
17) Carbon Disulfide	4.22	76	1002007	148.271	ug/l	100
18) Methyl Acetate	4.51	43	200807	139.658	ug/l	100
19) Methyl tert-butyl Ether	5.26	73	792728	144.996	ug/l	96
20) Methylene Chloride	4.75	84	323352	132.961	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	332066	145.487	ug/l	97
22) Diisopropyl ether	6.15	45	1019661	139.967	ug/l	97
23) Vinyl Acetate	6.10	43	3387401	707.976	ug/l	97
24) 1,1-Dichloroethane	6.05	63	567422	144.004	ug/l	99
25) 2-Butanone	7.02	43	603720	698.339	ug/l	98
26) 2,2-Dichloropropane	7.02	77	472589	144.263	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	359761	145.141	ug/l	99
28) Bromochloromethane	7.36	49	259373	143.836	ug/l	96
29) Tetrahydrofuran	7.38	42	390475	686.102	ug/l	96
30) Chloroform	7.53	83	535229	143.288	ug/l	100
31) Cyclohexane	7.81	56	584071	137.505	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	459700	145.616	ug/l	99
36) 1,1-Dichloropropene	7.94	75	453192	142.504	ug/l	98
37) Ethyl Acetate	7.10	43	257344	135.872	ug/l	99
38) Carbon Tetrachloride	7.93	117	391303	143.779	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	614669	144.602	ug/l	99
40) Benzene	8.18	78	1337994	141.516	ug/l	99
41) Methacrylonitrile	7.35	41	119070m	53.128	ug/l	
42) 1,2-Dichloroethane	8.26	62	342583	140.393	ug/l	100
43) Isopropyl Acetate	8.30	43	499609	141.822	ug/l	100
44) Trichloroethene	8.96	130	328842	142.503	ug/l	98
45) 1,2-Dichloropropane	9.24	63	336664	141.112	ug/l	100
46) Dibromomethane	9.32	93	173538	140.390	ug/l	99
47) Bromodichloromethane	9.52	83	414545	145.082	ug/l	98
48) Methyl methacrylate	9.31	41	221512	138.753	ug/l	95
49) 1,4-Dioxane	9.32	88	46893	2877.021	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	1255447	691.576	ug/l	99
52) Toluene	10.26	92	821462	143.304	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	462316	148.151	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	539904	145.166	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	254596	141.156	ug/l	97
56) Ethyl methacrylate	10.52	69	389061	148.032	ug/l	99
57) 1,3-Dichloropropane	10.80	76	449025	140.579	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	627176	588.228	ug/l	100
59) 2-Hexanone	10.85	43	890846	690.182	ug/l	98
60) Dibromochloromethane	11.00	129	278481	146.911	ug/l	100
61) 1,2-Dibromoethane	11.10	107	243950	144.720	ug/l	100
64) Tetrachloroethene	10.73	164	252790	137.919	ug/l	99
65) Chlorobenzene	11.53	112	824317	142.115	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	275496	145.638	ug/l	99
67) Ethyl Benzene	11.60	91	1533551	141.479	ug/l	98
68) m/p-Xylenes	11.71	106	1127923	281.172	ug/l	99
69) o-Xylene	12.04	106	532610	141.161	ug/l	100
70) Styrene	12.05	104	937953	143.719	ug/l	100
71) Bromoform	12.22	173	160534	155.136	ug/l #	99
73) Isopropylbenzene	12.34	105	1444141	148.959	ug/l	99
74) N-amyl acetate	12.15	43	436326	146.770	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	309357	148.023	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	202188m	82.436	ug/l	
77) Bromobenzene	12.62	156	299509	145.490	ug/l	100
78) n-propylbenzene	12.68	91	1767754	147.831	ug/l	100
79) 2-Chlorotoluene	12.77	91	973245	147.153	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	1172047	147.628	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	118674	158.167	ug/l	97
82) 4-Chlorotoluene	12.86	91	1012250	147.775	ug/l	100
83) tert-Butylbenzene	13.08	119	966400	145.694	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	1148164	144.653	ug/l	100
85) sec-Butylbenzene	13.26	105	1427259	145.715	ug/l	100
86) p-Isopropyltoluene	13.38	119	1206103	143.379	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	559192	138.261	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	573304	141.014	ug/l	99
89) n-Butylbenzene	13.70	91	1259676	145.170	ug/l	99
90) Hexachloroethane	13.97	117	240742	152.751	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	519779	142.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	46783	143.884	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	336551	141.383	ug/l	98
94) Hexachlorobutadiene	15.12	225	160995	139.044	ug/l	100
95) Naphthalene	15.25	128	834482	149.051	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	297901	141.664	ug/l	99

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

