

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042020\
 Data File : VY002424.D
 Acq On : 20 Apr 2020 14:59
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Quant Time: Apr 20 15:19:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 14:34:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	268270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	423570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	375158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	175500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	279799	99.51	ug/l	0.00
Spiked Amount			Recovery	=	199.02%	
35) Dibromofluoromethane	7.74	113	316694	128.09	ug/l	0.00
Spiked Amount			Recovery	=	256.18%	
50) Toluene-d8	10.19	98	1237543	120.65	ug/l	0.00
Spiked Amount			Recovery	=	241.30%	
62) 4-Bromofluorobenzene	12.49	95	401721	119.03	ug/l	0.00
Spiked Amount			Recovery	=	238.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	263964	102.365	ug/l	98
3) Chloromethane	2.12	50	324833	100.591	ug/l	100
4) Vinyl Chloride	2.26	62	357542	103.534	ug/l	98
5) Bromomethane	2.65	94	207156	97.187	ug/l	98
6) Chloroethane	2.80	64	208592	104.923	ug/l	96
7) Trichlorofluoromethane	3.13	101	552599	121.383	ug/l	99
8) Diethyl Ether	3.54	74	221620	115.650	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	356650	115.797	ug/l	99
10) Methyl Iodide	4.11	142	553970	149.993	ug/l	100
11) Tert butyl alcohol	4.99	59	139011	370.342	ug/l	100
12) 1,1-Dichloroethene	3.89	96	375638	119.565	ug/l	97
13) Acrolein	3.74	56	180346	492.882	ug/l	99
14) Allyl chloride	4.50	41	472974	96.842	ug/l	98
15) Acrylonitrile	5.19	53	463881	480.055	ug/l	99
16) Acetone	3.97	43	363059	487.856	ug/l	98
17) Carbon Disulfide	4.21	76	1173919	113.796	ug/l	99
18) Methyl Acetate	4.50	43	205547	90.024	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	875760	107.928	ug/l	100
20) Methylene Chloride	4.74	84	391929	105.062	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	400034	114.052	ug/l	94
22) Diisopropyl ether	6.14	45	891764	90.937	ug/l	98
23) Vinyl Acetate	6.08	43	2849939	454.745	ug/l	99
24) 1,1-Dichloroethane	6.04	63	581816	102.622	ug/l	99
25) 2-Butanone	7.00	43	510196	437.038	ug/l	98
26) 2,2-Dichloropropane	7.00	77	510228	106.590	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	438584	114.911	ug/l	99
28) Bromochloromethane	7.35	49	208848	87.152	ug/l	99
29) Tetrahydrofuran	7.36	42	328771	427.306	ug/l	98
30) Chloroform	7.52	83	605900	112.238	ug/l	98
31) Cyclohexane	7.80	56	557817	94.295	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	546410	121.016	ug/l	99
36) 1,1-Dichloropropene	7.93	75	493502	121.552	ug/l	99
37) Ethyl Acetate	7.09	43	220406	96.893	ug/l	99
38) Carbon Tetrachloride	7.91	117	507983	142.418	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	678737	122.551	ug/l	100
40) Benzene	8.18	78	1525900	123.541	ug/l	100
41) Methacrylonitrile	7.33	41	125654m	93.986	ug/l	
42) 1,2-Dichloroethane	8.25	62	364953	119.898	ug/l	98
43) Isopropyl Acetate	8.28	43	425741	102.817	ug/l	99
44) Trichloroethene	8.95	130	499514	134.145	ug/l	98
45) 1,2-Dichloropropane	9.22	63	348134	115.117	ug/l	99
46) Dibromomethane	9.32	93	200128	124.255	ug/l	99
47) Bromodichloromethane	9.50	83	470692	127.687	ug/l	97
48) Methyl methacrylate	9.30	41	188428	101.340	ug/l	97
49) 1,4-Dioxane	9.31	88	56118	2450.539	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	1065929	492.045	ug/l	99
52) Toluene	10.25	92	953135	127.383	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	503327	125.899	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	600645	125.058	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	296205	125.407	ug/l	99
56) Ethyl methacrylate	10.52	69	396125	119.278	ug/l	99
57) 1,3-Dichloropropane	10.80	76	491574	119.631	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	925006	536.818	ug/l	99
59) 2-Hexanone	10.84	43	754334	502.099	ug/l	98
60) Dibromochloromethane	10.99	129	372575	145.106	ug/l	100
61) 1,2-Dibromoethane	11.10	107	296440	131.047	ug/l	99
64) Tetrachloroethene	10.72	164	561624	146.142	ug/l	98
65) Chlorobenzene	11.52	112	1040655	134.733	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	365919	142.309	ug/l	99
67) Ethyl Benzene	11.60	91	1796935	128.371	ug/l	100
68) m/p-Xylenes	11.71	106	1384062	262.288	ug/l	98
69) o-Xylene	12.03	106	647354	130.672	ug/l	98
70) Styrene	12.05	104	1108942	129.210	ug/l	98
71) Bromoform	12.21	173	226690	158.957	ug/l	99
73) Isopropylbenzene	12.33	105	1721360	128.307	ug/l	99
74) N-amyl acetate	12.14	43	372705	100.593	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	217639	133.849	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	197225m	101.070	ug/l	
77) Bromobenzene	12.61	156	427698	141.878	ug/l	98
78) n-propylbenzene	12.67	91	2028445	122.319	ug/l	99
79) 2-Chlorotoluene	12.76	91	1113651	123.501	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	1408374	127.019	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	119183	118.533	ug/l	99
82) 4-Chlorotoluene	12.86	91	1164018	123.162	ug/l #	100
83) tert-Butylbenzene	13.08	119	1222759	131.151	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	1392637	125.695	ug/l	99
85) sec-Butylbenzene	13.25	105	1701609	122.824	ug/l	100
86) p-Isopropyltoluene	13.37	119	1523229	127.025	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	760323	130.843	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	778889	131.880	ug/l	99
89) n-Butylbenzene	13.70	91	1439104	118.450	ug/l	99
90) Hexachloroethane	13.97	117	304081	133.332	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	700668	132.663	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	45538	116.706	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	497214	141.489	ug/l	100
94) Hexachlorobutadiene	15.12	225	277616	155.009	ug/l	99
95) Naphthalene	15.24	128	989248	131.520	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	431526	141.482	ug/l	99

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

