

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY043020\
 Data File : VY002515.D
 Acq On : 30 Apr 2020 16:05
 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
 5/5/2020 4:31:13 PM

Quant Time: May 04 12:18:28 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	7.80	168	360256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	540490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	490255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	241492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	460938	152.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.34%	
35) Dibromofluoromethane	7.74	113	462251	149.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.08%	
50) Toluene-d8	10.19	98	1818388	150.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.28%	
62) 4-Bromofluorobenzene	12.49	95	607333	148.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	451063	164.869	ug/l	98
3) Chloromethane	2.12	50	456614	156.443	ug/l	100
4) Vinyl Chloride	2.26	62	524063	155.496	ug/l	99
5) Bromomethane	2.64	94	352142	151.512	ug/l	99
6) Chloroethane	2.80	64	311489	154.787	ug/l	100
7) Trichlorofluoromethane	3.13	101	816861	156.385	ug/l	99
8) Diethyl Ether	3.54	74	281719	160.495	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	487910	152.836	ug/l	99
10) Methyl Iodide	4.11	142	723969	166.458	ug/l	99
11) Tert butyl alcohol	4.99	59	216623	695.102	ug/l	100
12) 1,1-Dichloroethene	3.88	96	480881	155.059	ug/l	99
13) Acrolein	3.74	56	182809	848.295	ug/l	96
14) Allyl chloride	4.50	41	707196	156.508	ug/l	99
15) Acrylonitrile	5.19	53	644235	778.276	ug/l	100
16) Acetone	3.96	43	484395	774.859	ug/l	99
17) Carbon Disulfide	4.21	76	1509318	161.773	ug/l	100
18) Methyl Acetate	4.49	43	317562	152.035	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	1270607	157.036	ug/l	98
20) Methylene Chloride	4.74	84	501937	143.581	ug/l	99
21) trans-1,2-Dichloroethene	5.24	96	525832	155.130	ug/l	97
22) Diisopropyl ether	6.14	45	1377270	150.640	ug/l	98
23) Vinyl Acetate	6.08	43	4482994	779.667	ug/l	100
24) 1,1-Dichloroethane	6.04	63	830812	153.602	ug/l	99
25) 2-Butanone	7.00	43	782314	764.490	ug/l	99
26) 2,2-Dichloropropane	7.00	77	762694	148.347	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	574518	153.181	ug/l	99
28) Bromochloromethane	7.35	49	333821	150.633	ug/l	98
29) Tetrahydrofuran	7.36	42	520853	769.306	ug/l	98
30) Chloroform	7.52	83	863490	153.537	ug/l	100
31) Cyclohexane	7.80	56	794064	145.848	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	817086	156.310	ug/l	99
36) 1,1-Dichloropropene	7.93	75	693740	153.110	ug/l	99
37) Ethyl Acetate	7.09	43	355000	152.467	ug/l	99
38) Carbon Tetrachloride	7.91	117	774303	156.528	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	933534	155.991	ug/l	99
40) Benzene	8.18	78	2012847	153.812	ug/l	100
41) Methacrylonitrile	7.34	41	198222m	162.864	ug/l	
42) 1,2-Dichloroethane	8.25	62	565859	154.154	ug/l	100
43) Isopropyl Acetate	8.28	43	692208	158.581	ug/l	99
44) Trichloroethene	8.95	130	622683	152.256	ug/l	98
45) 1,2-Dichloropropane	9.23	63	480963	152.283	ug/l	100
46) Dibromomethane	9.32	93	279941	154.052	ug/l	99
47) Bromodichloromethane	9.50	83	688866	155.903	ug/l	98
48) Methyl methacrylate	9.30	41	319280	161.622	ug/l	99
49) 1,4-Dioxane	9.31	88	76350	3173.295	ug/l	99
51) 4-Methyl-2-Pentanone	10.08	43	1746269	776.156	ug/l	100
52) Toluene	10.25	92	1292351	153.662	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	736562	159.100	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	832329	155.518	ug/l	99
55) 1,1,2-Trichloroethane	10.65	97	404107	152.495	ug/l	98
56) Ethyl methacrylate	10.52	69	565309	160.359	ug/l	100
57) 1,3-Dichloropropane	10.80	76	686218	152.699	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	1414519	760.876	ug/l	100
59) 2-Hexanone	10.84	43	1208844	780.638	ug/l	100
60) Dibromochloromethane	10.99	129	531764	157.774	ug/l	99
61) 1,2-Dibromoethane	11.10	107	407214	155.193	ug/l	99
64) Tetrachloroethene	10.72	164	652413	149.777	ug/l	97
65) Chlorobenzene	11.52	112	1419470	152.308	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	542270	156.747	ug/l	99
67) Ethyl Benzene	11.60	91	2518168	153.821	ug/l	99
68) m/p-Xylenes	11.71	106	1950883	307.991	ug/l	100
69) o-Xylene	12.03	106	917766	154.744	ug/l	99
70) Styrene	12.05	104	1586421	156.468	ug/l	100
71) Bromoform	12.21	173	342926	159.707	ug/l	100
73) Isopropylbenzene	12.33	105	2457082	156.992	ug/l	100
74) N-amyl acetate	12.14	43	612180	162.601	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	399207	160.384	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	303688m	140.884	ug/l	
77) Bromobenzene	12.61	156	613882	156.993	ug/l	100
78) n-propylbenzene	12.67	91	2816660	155.080	ug/l	99
79) 2-Chlorotoluene	12.76	91	1566865	155.739	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	2024059	156.015	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	173384	162.003	ug/l	99
82) 4-Chlorotoluene	12.86	91	1627037	153.957	ug/l	99
83) tert-Butylbenzene	13.08	119	1798639	158.116	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	2010424	155.491	ug/l	99
85) sec-Butylbenzene	13.26	105	2406544	152.459	ug/l	100
86) p-Isopropyltoluene	13.38	119	2267775	153.329	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	1136266	153.533	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	1120070	152.843	ug/l	100
89) n-Butylbenzene	13.70	91	2022553	150.216	ug/l	100
90) Hexachloroethane	13.97	117	425939	158.138	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	1012328	153.296	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	73665	158.767	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	731843	152.645	ug/l	99
94) Hexachlorobutadiene	15.12	225	428119	148.762	ug/l	99
95) Naphthalene	15.24	128	1415334	161.823	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	638532	156.884	ug/l	99

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

