

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112020\
 Data File : VY003562.D
 Acq On : 20 Nov 2020 12:02
 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
 11/23/2020 1:39:31 PM

Quant Time: Nov 21 00:55:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	171102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	256512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	228444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	109404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	243480	137.05	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	274.10%#
35) Dibromofluoromethane	7.72	113	233866	138.70	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	277.40%#
50) Toluene-d8	10.18	98	893069	136.21	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	272.42%#
62) 4-Bromofluorobenzene	12.48	95	294929	141.74	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	283.48%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	81660	161.941	ug/l	99
3) Chloromethane	2.12	50	163300	137.579	ug/l	100
4) Vinyl Chloride	2.26	62	216843	141.215	ug/l	100
5) Bromomethane	2.66	94	172076	133.970	ug/l	94
6) Chloroethane	2.80	64	160306	148.866	ug/l	93
7) Trichlorofluoromethane	3.13	101	198366	146.445	ug/l	96
8) Diethyl Ether	3.53	74	135225	137.633	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	213478	137.302	ug/l	100
10) Methyl Iodide	4.09	142	364027	135.687	ug/l	99
11) Tert butyl alcohol	5.03	59	89076	526.289	ug/l #	100
12) 1,1-Dichloroethene	3.87	96	234781	139.362	ug/l	98
13) Acrolein	3.74	56	120496	710.845	ug/l	99
14) Allyl chloride	4.48	41	405136	143.454	ug/l	99
15) Acrylonitrile	5.18	53	319048	690.216	ug/l	99
16) Acetone	3.97	43	418739	705.907	ug/l	100
17) Carbon Disulfide	4.20	76	650272	134.087	ug/l	100
18) Methyl Acetate	4.49	43	172324	133.538	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	343433	137.344	ug/l	99
20) Methylene Chloride	4.72	84	252049	111.883	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	256495	136.170	ug/l	95
22) Diisopropyl ether	6.13	45	720568	148.852	ug/l	97
23) Vinyl Acetate	6.07	43	2782294	739.437	ug/l	100
24) 1,1-Dichloroethane	6.02	63	449061	139.371	ug/l	99
25) 2-Butanone	7.00	43	538478	699.577	ug/l	100
26) 2,2-Dichloropropane	6.99	77	268411	127.391	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	283723	138.936	ug/l	100
28) Bromochloromethane	7.34	49	223618	141.777	ug/l	100
29) Tetrahydrofuran	7.36	42	280547	695.738	ug/l	99
30) Chloroform	7.51	83	443893	138.056	ug/l	96
31) Cyclohexane	7.79	56	346686	134.981	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	351686	141.545	ug/l	100
36) 1,1-Dichloropropene	7.93	75	350602	138.833	ug/l	98
37) Ethyl Acetate	7.08	43	216279	142.121	ug/l	98
38) Carbon Tetrachloride	7.91	117	340280	145.459	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	387564	151.015	ug/l	99
40) Benzene	8.16	78	1017582	135.929	ug/l	98
41) Methacrylonitrile	7.32	41	106397m	142.190	ug/l	
42) 1,2-Dichloroethane	8.24	62	293757	137.939	ug/l	99
43) Isopropyl Acetate	8.28	43	402863	144.172	ug/l	99
44) Trichloroethene	8.94	130	277741	136.158	ug/l	99
45) 1,2-Dichloropropane	9.22	63	255369	137.614	ug/l	99
46) Dibromomethane	9.31	93	143383	135.678	ug/l	99
47) Bromodichloromethane	9.50	83	351980	140.224	ug/l	100
48) Methyl methacrylate	9.29	41	192054	143.581	ug/l	98
49) 1,4-Dioxane	9.33	88	35169	2904.499	ug/l #	90
51) 4-Methyl-2-Pentanone	10.07	43	982522	733.647	ug/l	100
52) Toluene	10.24	92	637712	139.128	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	378571	144.099	ug/l	97
54) cis-1,3-Dichloropropene	9.92	75	422788	141.393	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	203281	135.619	ug/l	95
56) Ethyl methacrylate	10.51	69	283843	155.825	ug/l	99
57) 1,3-Dichloropropane	10.79	76	355521	140.134	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	695949	744.496	ug/l	100
59) 2-Hexanone	10.83	43	799247	723.951	ug/l	99
60) Dibromochloromethane	10.99	129	254369	140.353	ug/l	99
61) 1,2-Dibromoethane	11.09	107	198735	137.584	ug/l	100
64) Tetrachloroethene	10.72	164	231573	135.710	ug/l	96
65) Chlorobenzene	11.52	112	682890	138.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	200768	141.564	ug/l	99
67) Ethyl Benzene	11.59	91	1175336	145.125	ug/l	99
68) m/p-Xylenes	11.70	106	885652	285.585	ug/l	97
69) o-Xylene	12.03	106	362436	146.106	ug/l	100
70) Styrene	12.04	104	733558	146.721	ug/l	99
71) Bromoform	12.20	173	161955	141.411	ug/l #	100
73) Isopropylbenzene	12.33	105	804521	147.631	ug/l	100
74) N-amyl acetate	12.14	43	335869	155.627	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	212207	139.938	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	142708m	127.938	ug/l	
77) Bromobenzene	12.61	156	281483	140.390	ug/l	98
78) n-propylbenzene	12.67	91	1116683	145.858	ug/l	99
79) 2-Chlorotoluene	12.75	91	629756	142.505	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	565840	138.148	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	96359	144.422	ug/l	98
82) 4-Chlorotoluene	12.85	91	780745	144.198	ug/l	99
83) tert-Butylbenzene	13.07	119	598354	144.322	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	614574	140.923	ug/l	99
85) sec-Butylbenzene	13.25	105	627557	133.726	ug/l	100
86) p-Isopropyltoluene	13.36	119	561113	133.258	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	506474	138.771	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	514980	137.691	ug/l	99
89) n-Butylbenzene	13.69	91	653374	145.015	ug/l	99
90) Hexachloroethane	13.95	117	152492	136.961	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	400942	137.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	27269	138.062	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	244103	149.409	ug/l	100
94) Hexachlorobutadiene	15.11	225	103278	111.207	ug/l	99
95) Naphthalene	15.23	128	428677	153.759	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	173298	144.294	ug/l	99

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

