

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020420\
 Data File : VY001486.D
 Acq On : 04 Feb 2020 14:42
 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
 2/5/2020 12:23:49 PM

Quant Time: Feb 04 15:06:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 14:58:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	225790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	400183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	349366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	154518	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	349939	153.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.86%	
35) Dibromofluoromethane	7.74	113	331660	143.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.44%	
50) Toluene-d8	10.19	98	1302669	149.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.40%	
62) 4-Bromofluorobenzene	12.49	95	470723	136.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	314082	142.106	ug/l	97
3) Chloromethane	2.12	50	319179	138.171	ug/l	98
4) Vinyl Chloride	2.26	62	339861	141.691	ug/l	98
5) Bromomethane	2.64	94	179974	119.307	ug/l	97
6) Chloroethane	2.80	64	199808	138.197	ug/l	97
7) Trichlorofluoromethane	3.14	101	554033	139.543	ug/l	98
8) Diethyl Ether	3.55	74	194612	145.255	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.92	101	329117	137.770	ug/l	99
10) Methyl Iodide	4.11	142	448898	147.475	ug/l	100
11) Tert butyl alcohol	4.99	59	179413	513.559	ug/l	99
12) 1,1-Dichloroethene	3.89	96	329165	138.662	ug/l	100
13) Acrolein	3.75	56	168239	781.551	ug/l	100
14) Allyl chloride	4.50	41	513176	141.313	ug/l	99
15) Acrylonitrile	5.20	53	471281	767.294	ug/l	100
16) Acetone	3.97	43	557367	847.578	ug/l	98
17) Carbon Disulfide	4.21	76	1058816	140.108	ug/l	99
18) Methyl Acetate	4.50	43	217554	155.030	ug/l	100
19) Methyl tert-butyl Ether	5.25	73	922348	146.102	ug/l	100
20) Methylene Chloride	4.74	84	354390	119.870	ug/l	96
21) trans-1,2-Dichloroethene	5.25	96	366865	139.016	ug/l	99
22) Diisopropyl ether	6.15	45	1026352	142.653	ug/l	99
23) Vinyl Acetate	6.09	43	3299659	720.429	ug/l	99
24) 1,1-Dichloroethane	6.05	63	607259	140.322	ug/l	99
25) 2-Butanone	7.02	43	683095	800.690	ug/l	98
26) 2,2-Dichloropropane	7.01	77	546898	132.044	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	397702	137.976	ug/l	100
28) Bromochloromethane	7.36	49	230917	156.633	ug/l	99
29) Tetrahydrofuran	7.37	42	398773	779.856	ug/l	100
30) Chloroform	7.53	83	615635	140.441	ug/l	100
31) Cyclohexane	7.81	56	576342	130.194	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	555548	139.782	ug/l	100
36) 1,1-Dichloropropene	7.94	75	495422	135.327	ug/l	100
37) Ethyl Acetate	7.10	43	269820	152.249	ug/l	99
38) Carbon Tetrachloride	7.93	117	488212	137.837	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	646666	134.152	ug/l	97
40) Benzene	8.18	78	1414503	135.462	ug/l	99
41) Methacrylonitrile	7.34	41	112136m	96.210	ug/l	
42) 1,2-Dichloroethane	8.26	62	406594	139.764	ug/l	99
43) Isopropyl Acetate	8.29	43	525999	149.903	ug/l	98
44) Trichloroethene	8.96	130	383556	136.271	ug/l	100
45) 1,2-Dichloropropane	9.23	63	349790	138.723	ug/l	100
46) Dibromomethane	9.32	93	199547	140.934	ug/l	99
47) Bromodichloromethane	9.51	83	488936	141.726	ug/l	100
48) Methyl methacrylate	9.31	41	238879	149.994	ug/l	99
49) 1,4-Dioxane	9.32	88	56048	2997.375	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	1304171	754.707	ug/l	99
52) Toluene	10.25	92	885688	133.677	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	536571	142.799	ug/l	100
54) cis-1,3-Dichloropropene	9.94	75	600310	139.160	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	287274	141.413	ug/l	99
56) Ethyl methacrylate	10.52	69	432869	149.812	ug/l	99
57) 1,3-Dichloropropane	10.80	76	499222	139.408	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	785469	738.959	ug/l	99
59) 2-Hexanone	10.84	43	994157	791.246	ug/l	100
60) Dibromochloromethane	10.99	129	340968	142.391	ug/l	99
61) 1,2-Dibromoethane	11.10	107	287373	143.624	ug/l	98
64) Tetrachloroethene	10.73	164	335628	146.487	ug/l	96
65) Chlorobenzene	11.52	112	935912	136.435	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	324557	135.184	ug/l	98
67) Ethyl Benzene	11.60	91	1665140	131.285	ug/l	99
68) m/p-Xylenes	11.71	106	1235778	259.539	ug/l	100
69) o-Xylene	12.03	106	580784	129.368	ug/l	96
70) Styrene	12.05	104	1032590	133.005	ug/l	100
71) Bromoform	12.22	173	198977	148.838	ug/l #	99
73) Isopropylbenzene	12.34	105	1588301	134.775	ug/l	100
74) N-amyl acetate	12.15	43	473702	154.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	336303	150.201	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	249716m	132.525	ug/l	
77) Bromobenzene	12.61	156	350047	137.253	ug/l	94
78) n-propylbenzene	12.68	91	1901524	134.780	ug/l	100
79) 2-Chlorotoluene	12.76	91	1096150	136.304	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	1321485	133.150	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	133769	155.767	ug/l	97
82) 4-Chlorotoluene	12.86	91	1136230	134.757	ug/l	100
83) tert-Butylbenzene	13.08	119	1118366	133.310	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	1283619	130.675	ug/l	99
85) sec-Butylbenzene	13.26	105	1547876	131.232	ug/l	99
86) p-Isopropyltoluene	13.38	119	1322904	127.275	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	630288	128.956	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	656196	134.012	ug/l	99
89) n-Butylbenzene	13.70	91	1340411	130.702	ug/l	100
90) Hexachloroethane	13.97	117	273995	137.342	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	602963	136.131	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	61515	148.823	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	402622	134.889	ug/l	99
94) Hexachlorobutadiene	15.11	225	199317	131.571	ug/l	98
95) Naphthalene	15.24	128	1018129	145.137	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	365781	138.827	ug/l	98

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

