

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000643.D
 Acq On : 12 Nov 2019 09:28
 Operator : SY/MD
 Sample : VSTD2.578
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD2.578

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:34 PM

Quant Time: Nov 13 01:33:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 01:25:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	382227	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	341161	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	162448	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	14905	2.76	ug/L	0.00
7) Chloroethane-d5	2.77	69	13613	2.84	ug/L	0.00
10) 1,1-Dichloroethene-d2	3.85	63	34137	3.42	ug/L	0.00
20) 2-Butanone-d5	6.89	46	10240m	4.60	ug/L	-0.01
24) Chloroform-d	7.49	84	28773	2.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.14	65	15912	2.74	ug/L	0.00
29) Benzene-d6	8.11	84	59281	2.99	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.13	67	17920	2.89	ug/L	0.00
37) Toluene-d8	10.18	98	55538	3.00	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.44	79	8297	2.86	ug/L	0.00
39) 2-Hexanone-d5	10.78	63	7165	4.27	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.56	84	15899	2.63	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.72	152	19909	3.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	27945	5.533 ug/L	100
3) Chloromethane	2.12	50	32634	5.154 ug/L	93
5) Vinyl chloride	2.25	62	30844	4.881 ug/L	98
6) Bromomethane	2.65	94	15899	4.607 ug/L	99
8) Chloroethane	2.80	64	20259	5.113 ug/L	90
9) Trichlorofluoromethane	3.13	101	42673	4.768 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	25148m	4.954 ug/L	
12) 1,1-Dichloroethene	3.87	96	23118	4.665 ug/L	87
13) Acetone	3.96	43	13639	8.265 ug/L	86
14) Carbon disulfide	4.19	76	72374	4.733 ug/L	96
15) Methyl Acetate	4.48	43	14874	3.984 ug/L #	74
16) Methylene chloride	4.72	84	30893	4.896 ug/L	88
17) Methyl tert-butyl Ether	5.22	73	66219	4.392 ug/L	99
18) trans-1,2-Dichloroethene	5.22	96	26427	4.775 ug/L	95
19) 1,1-Dichloroethane	6.03	63	46371	4.761 ug/L	94
21) 2-Butanone	6.99	43	25765	8.974 ug/L	89
22) cis-1,2-Dichloroethene	6.99	96	29528	4.824 ug/L	95
23) Bromochloromethane	7.35	128	12348	4.620 ug/L	80
25) Chloroform	7.52	83	51467	4.903 ug/L	96
27) 1,2-Dichloroethane	8.25	62	32284	4.600 ug/L	96
30) Cyclohexane	7.78	56	47420m	5.094 ug/L	
31) 1,1,1-Trichloroethane	7.71	97	41905	4.986 ug/L	99
32) Carbon tetrachloride	7.91	117	37543	5.125 ug/L	99
34) Benzene	8.16	78	109093	4.891 ug/L	100
35) Trichloroethene	8.95	95	28475	4.869 ug/L	95
36) Methylcyclohexane	9.19	83	49884	4.983 ug/L	100
40) 1,2-Dichloropropane	9.22	63	27937	4.942 ug/L	99
41) Bromodichloromethane	9.50	83	34820	4.788 ug/L	97
42) cis-1,3-Dichloropropene	9.93	75	41758	4.586 ug/L	99
43) 4-Methyl-2-pentanone	10.07	43	45050	8.333 ug/L	99

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44) Toluene	10.25	91	112889	4.682	ug/L	94
45) trans-1,3-Dichloropropene	10.47	75	33738	4.313	ug/L	90
46) 1,1,2-Trichloroethane	10.64	97	22304	4.811	ug/L	88
47) Tetrachloroethene	10.72	164	23172	5.306	ug/L	80
49) 2-Hexanone	10.83	43	34962	8.303	ug/L	98
50) Dibromochloromethane	10.99	129	23697	4.524	ug/L	86
51) 1,2-Dibromoethane	11.09	107	20427	4.527	ug/L #	89
52) Chlorobenzene	11.52	112	75225	4.916	ug/L	94
53) Ethylbenzene	11.59	91	129103	4.733	ug/L	92
54) m,p-Xylene	11.70	106	49963	4.840	ug/L	100
55) o-xylene	12.03	106	47898	4.727	ug/L	97
56) Styrene	12.05	104	76614	4.551	ug/L	93
57) Isopropylbenzene	12.33	105	128097	4.859	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	25149	4.347	ug/L #	95
59) 1,2,3-Trichloropropane	12.64	75	21313	4.531	ug/L	98
62) Bromoform	12.20	173	13600	4.408	ug/L	97
63) 1,3-Dichlorobenzene	13.36	146	56268	4.856	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	56886	4.912	ug/L	92
65) 1,2-Dichlorobenzene	13.74	146	51603	4.809	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.35	75	4198	4.117	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.50	180	39807	4.928	ug/L	99
68) 1,2,4-trichlorobenzene	15.01	180	35210	4.877	ug/L	99
69) Naphthalene	15.23	128	77244	4.293	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	32239	4.803	ug/L	99

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

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