

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000674.D
 Acq On : 14 Nov 2019 12:04
 Operator : SY/MD
 Sample : VSTD01081
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD01081

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:04:50 PM

Quant Time: Nov 15 10:01:50 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOMYLM111419WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Nov 15 09:51:09 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	317547	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	289878	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	137853	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	28852	11.57	ug/L	0.00
7) Chloroethane-d5	2.76	69	22809	11.16	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	48013	12.49	ug/L	0.00
21) 2-Butanone-d5	6.90	46	22628	11.50	ug/L	0.00
24) Chloroform-d	7.49	84	37747	10.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	28530	11.25	ug/L	0.00
32) Benzene-d6	8.11	84	90835	11.21	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	28344	11.33	ug/L	0.00
41) Toluene-d8	10.18	98	85376	11.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	12740	10.18	ug/L	0.00
47) 2-Hexanone-d5	10.78	63	15644	10.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.56	84	32330	10.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.72	152	30719	11.52	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	19735	10.883	ug/L	96
3) Chloromethane	2.11	50	26085	10.817	ug/L	97
5) Vinyl chloride	2.25	62	25203	10.423	ug/L	98
6) Bromomethane	2.66	94	14752	10.612	ug/L	90
8) Chloroethane	2.80	64	16639	10.964	ug/L	93
9) Trichlorofluoromethane	3.13	101	37663	10.551	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.89	101	21388m	10.752	ug/L	
12) 1,1-Dichloroethene	3.88	96	21750	10.912	ug/L	86
13) Acetone	3.96	43	16487	11.637	ug/L	79
14) Carbon disulfide	4.19	76	56929	10.355	ug/L	98
15) Methyl Acetate	4.48	43	19177	10.771	ug/L #	63
16) Methylene chloride	4.72	84	22145	10.391	ug/L	97
17) trans-1,2-Dichloroethene	5.22	96	21521m	10.340	ug/L	
18) Methyl tert-butyl Ether	5.22	73	67279	10.738	ug/L #	78
19) 1,1-Dichloroethane	6.02	63	40130	10.727	ug/L #	96
20) cis-1,2-Dichloroethene	6.99	96	24678	10.578	ug/L	82
22) 2-Butanone	7.00	43	24165	10.839	ug/L	99
23) Bromochloromethane	7.35	128	11559	10.748	ug/L	95
25) Chloroform	7.52	83	46982	10.968	ug/L	95
27) 1,2-Dichloroethane	8.24	62	30444	10.408	ug/L	97
29) Cyclohexane	7.78	56	36052	10.655	ug/L	97
30) 1,1,1-Trichloroethane	7.71	97	33001	10.422	ug/L	98
31) Carbon tetrachloride	7.91	117	29354	10.354	ug/L	97
33) Benzene	8.17	78	94655	10.962	ug/L	100
34) Trichloroethene	8.94	95	23901	11.023	ug/L	97
35) Methylcyclohexane	9.19	83	35552	9.933	ug/L	97
37) 1,2-Dichloropropane	9.22	63	22794	10.642	ug/L #	91
38) Bromodichloromethane	9.50	83	29761	10.343	ug/L #	95
39) cis-1,3-Dichloropropene	9.93	75	37300	10.249	ug/L	95
40) 4-Methyl-2-pentanone	10.07	43	50791	10.335	ug/L	98

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

42) Toluene	10.25	91	95658	10.466	ug/L	94
44) trans-1,3-Dichloropropene	10.47	75	32627	10.238	ug/L	96
45) 1,1,2-Trichloroethane	10.64	97	21700	10.678	ug/L	92
46) Tetrachloroethene	10.72	164	17560	10.467	ug/L	96
48) 2-Hexanone	10.83	43	36331	10.239	ug/L #	95
49) Dibromochloromethane	10.99	129	22705	10.315	ug/L	97
50) 1,2-Dibromoethane	11.08	107	21942	10.788	ug/L	95
51) Chlorobenzene	11.52	112	62482	10.611	ug/L	98
52) Ethylbenzene	11.59	91	105855	10.148	ug/L	100
53) m,p-Xylene	11.70	106	41288	10.291	ug/L	94
54) o-xylene	12.02	106	40026	10.176	ug/L	98
55) Styrene	12.04	104	65081	9.738	ug/L	99
56) Isopropylbenzene	12.33	105	101833	10.115	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.58	83	29759	10.352	ug/L #	99
59) 1,2,3-Trichloropropane	12.63	75	24127	10.608	ug/L	100
61) Bromoform	12.20	173	13656	9.785	ug/L	90
62) 1,3-Dichlorobenzene	13.36	146	46188	10.683	ug/L	95
63) 1,4-Dichlorobenzene	13.44	146	47715	10.773	ug/L	100
65) 1,2-Dichlorobenzene	13.74	146	44459	10.440	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.35	75	5873	11.416	ug/L	87
67) 1,3,5-Trichlorobenzene	14.50	180	34299	11.368	ug/L	93
68) 1,2,4-trichlorobenzene	15.00	180	30855	10.901	ug/L	98
69) Naphthalene	15.23	128	91822	10.857	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	29764	10.926	ug/L	99

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

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