

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111419\
 Data File : VY000673.D
 Acq On : 14 Nov 2019 11:42
 Operator : SY/MD
 Sample : VSTD00580
 Misc : 5ML/MSVOA Y/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTD00580

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:04:46 PM

Quant Time: Nov 15 09:59:48 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	393112	50.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	357204	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	171379	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	14470	4.69	ug/L	0.00
7) Chloroethane-d5	2.76	69	11764m	4.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.85	63	24537	5.16	ug/L	0.00
21) 2-Butanone-d5	6.91	46	10822	4.44	ug/L	0.00
24) Chloroform-d	7.49	84	18698	4.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.15	65	14117	4.50	ug/L	0.00
32) Benzene-d6	8.11	84	47349	4.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	9.13	67	14009	4.55	ug/L	0.00
41) Toluene-d8	10.18	98	41903	4.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.44	79	6723	4.36	ug/L	0.00
47) 2-Hexanone-d5	10.79	63	7171	3.95	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.56	84	14985	4.12	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.72	152	16165	4.88	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	11367	5.064	ug/L	99
3) Chloromethane	2.12	50	15021	5.031	ug/L	85
5) Vinyl chloride	2.25	62	15077	5.037	ug/L	99
6) Bromomethane	2.65	94	8444	4.907	ug/L	98
8) Chloroethane	2.80	64	9426	5.017	ug/L	96
9) Trichlorofluoromethane	3.13	101	22694	5.135	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.90	101	12904m	5.240	ug/L	
12) 1,1-Dichloroethene	3.87	96	12882	5.221	ug/L	92
13) Acetone	3.95	43	9319	5.313	ug/L	98
14) Carbon disulfide	4.19	76	33467	4.917	ug/L #	95
15) Methyl Acetate	4.48	43	11335	5.143	ug/L	99
16) Methylene chloride	4.71	84	13518m	5.124	ug/L	
17) trans-1,2-Dichloroethene	5.22	96	13610	5.282	ug/L	78
18) Methyl tert-butyl Ether	5.22	73	37740	4.866	ug/L #	87
19) 1,1-Dichloroethane	6.02	63	23442	5.062	ug/L	97
20) cis-1,2-Dichloroethene	6.99	96	14610	5.059	ug/L	93
22) 2-Butanone	7.00	43	12819	4.645	ug/L	83
23) Bromochloromethane	7.34	128	6555m	4.924	ug/L	
25) Chloroform	7.51	83	28994	5.468	ug/L	99
27) 1,2-Dichloroethane	8.25	62	17837	4.926	ug/L #	88
29) Cyclohexane	7.78	56	20838	4.998	ug/L	98
30) 1,1,1-Trichloroethane	7.70	97	19189	4.918	ug/L	98
31) Carbon tetrachloride	7.90	117	17481	5.004	ug/L	99
33) Benzene	8.16	78	52989	4.980	ug/L	100
34) Trichloroethene	8.94	95	13815	5.171	ug/L	89
35) Methylcyclohexane	9.18	83	23072	5.231	ug/L	94
37) 1,2-Dichloropropane	9.22	63	12593	4.771	ug/L #	96
38) Bromodichloromethane	9.50	83	17064	4.812	ug/L #	94
39) cis-1,3-Dichloropropene	9.92	75	21835	4.869	ug/L	94
40) 4-Methyl-2-pentanone	10.08	43	27900	4.607	ug/L	99

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

42) Toluene	10.24	91	55045	4.887	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	17531	4.464	ug/L	93
45) 1,1,2-Trichloroethane	10.64	97	13097	5.230	ug/L	96
46) Tetrachloroethene	10.72	164	10633	5.144	ug/L	90
48) 2-Hexanone	10.83	43	20256	4.633	ug/L	96
49) Dibromochloromethane	10.99	129	12505	4.610	ug/L	85
50) 1,2-Dibromoethane	11.09	107	11580	4.620	ug/L #	93
51) Chlorobenzene	11.51	112	36007	4.962	ug/L	96
52) Ethylbenzene	11.59	91	62074	4.829	ug/L	99
53) m,p-Xylene	11.70	106	24492	4.954	ug/L	95
54) o-xylene	12.02	106	23597	4.869	ug/L	100
55) Styrene	12.04	104	37472	4.550	ug/L	99
56) Isopropylbenzene	12.33	105	57606	4.644	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.58	83	16504	4.659	ug/L	96
59) 1,2,3-Trichloropropane	12.63	75	13458	4.802	ug/L	97
61) Bromoform	12.20	173	8026	4.626	ug/L	91
62) 1,3-Dichlorobenzene	13.36	146	25861	4.812	ug/L	95
63) 1,4-Dichlorobenzene	13.44	146	28379	5.154	ug/L	93
65) 1,2-Dichlorobenzene	13.73	146	28179	5.323	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.36	75	3055	4.777	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.50	180	19730	5.260	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	18401	5.229	ug/L	96
69) Naphthalene	15.23	128	52170	4.962	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	16907	4.992	ug/L	95

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

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