

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031820\
 Data File : VV015015.D
 Acq On : 18 Mar 2020 13:37
 Operator : SY/MD
 Sample : VSTD00564
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Manual Integrations
 APPROVED

sam
 3/19/2020 11:30:31 AM

Quant Time: Mar 19 02:20:12 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 19 02:01:59 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	233404	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	223720	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111176	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	5764	5.29	ug/L	0.00
7) Chloroethane-d5	1.58	69	4672	5.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	9347	5.01	ug/L	0.00
21) 2-Butanone-d5	3.96	46	6112m	8.13	ug/L	0.04
24) Chloroform-d	4.38	84	14204	5.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	9494	5.40	ug/L	0.00
32) Benzene-d6	5.08	84	27087	5.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	8186	5.27	ug/L	0.00
41) Toluene-d8	7.34	98	27379	5.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	3728	4.49	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	6754	9.44	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.24	84	11702	5.01	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	12807	5.74	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8128	4.074 ug/L	97
3) Chloromethane	1.25	50	6007	4.429 ug/L	95
5) Vinyl chloride	1.32	62	5687	4.335 ug/L	99
6) Bromomethane	1.53	94	3479	4.087 ug/L	98
8) Chloroethane	1.60	64	2809	3.974 ug/L	89
9) Trichlorofluoromethane	1.76	101	8344	3.998 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4089	4.074 ug/L	92
12) 1,1-Dichloroethene	2.13	96	3648	3.841 ug/L #	58
13) Acetone	2.20	43	6178m	10.181 ug/L	
14) Carbon disulfide	2.31	76	13410	3.984 ug/L	100
15) Methyl Acetate	2.46	43	4172m	3.987 ug/L	
16) Methylene chloride	2.52	84	6533	4.340 ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	5778	4.053 ug/L	93
18) Methyl tert-butyl Ether	2.79	73	16542	3.769 ug/L	96
19) 1,1-Dichloroethane	3.21	63	9651	3.940 ug/L	95
20) cis-1,2-Dichloroethene	3.95	96	6223m	3.906 ug/L	
22) 2-Butanone	4.04	43	6445m	7.704 ug/L	
23) Bromochloromethane	4.28	128	3306	3.817 ug/L	92
25) Chloroform	4.41	83	11109	4.055 ug/L	91
27) 1,2-Dichloroethane	5.16	62	7976	3.898 ug/L #	92
29) Cyclohexane	4.71	56	8038	4.002 ug/L #	22
30) 1,1,1-Trichloroethane	4.63	97	9374	3.884 ug/L	97
31) Carbon tetrachloride	4.86	117	8373m	3.860 ug/L	
33) Benzene	5.13	78	21209	3.873 ug/L	100
34) Trichloroethene	5.94	95	6054	4.081 ug/L	85
35) Methylcyclohexane	6.15	83	9183	3.901 ug/L	95
37) 1,2-Dichloropropane	6.20	63	5570	4.206 ug/L #	86
38) Bromodichloromethane	6.53	83	7079	3.665 ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	7595	3.425 ug/L	90
40) 4-Methyl-2-pentanone	7.26	43	14193	7.736 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	23467	3.790	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	6895	3.432	ug/L	97
45) 1,1,2-Trichloroethane	7.87	97	5725	3.965	ug/L	97
46) Tetrachloroethene	8.00	164	5522	3.920	ug/L	94
48) 2-Hexanone	8.18	43	8373	6.110	ug/L #	89
49) Dibromochloromethane	8.27	129	5856	3.490	ug/L	87
50) 1,2-Dibromoethane	8.37	107	6117	3.796	ug/L	91
51) Chlorobenzene	8.90	112	17557	4.033	ug/L	99
52) Ethylbenzene	9.04	91	25482	3.623	ug/L	100
53) m,p-Xylene	9.16	106	9911	3.600	ug/L	91
54) o-xylene	9.57	106	9586	3.516	ug/L	97
55) Styrene	9.59	104	15656	3.419	ug/L	93
56) Isopropylbenzene	9.95	105	24669	3.474	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	9214	3.924	ug/L #	93
59) 1,2,3-Trichloropropane	10.30	75	6911	3.713	ug/L	99
61) Bromoform	9.75	173	3773	3.432	ug/L #	91
62) 1,3-Dichlorobenzene	11.20	146	13102	3.915	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	15645	4.491	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	16359	4.602	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	1936	3.897	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	10237	3.866	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	9928	4.072	ug/L	97
69) Naphthalene	13.53	128	11094	3.485	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	8743	3.650	ug/L	98

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

