

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031719\
 Data File : VV009728.D
 Acq On : 16 Mar 2019 14:24
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Manual Integrations
 APPROVED

MMDadoda
 3/18/2019 9:25:24 AM

Quant Time: Mar 18 07:28:02 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Mar 18 07:20:32 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	155406	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	145355	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	57029	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5283	5.68	ug/L	0.00
7) Chloroethane-d5	1.56	69	4243	4.76	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	11579	4.91	ug/L	0.00
21) 2-Butanone-d5	3.94	46	5245	7.90	ug/L	0.00
24) Chloroform-d	4.40	84	9627	4.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	5866	4.60	ug/L	0.00
32) Benzene-d6	5.10	84	19166	5.12	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	5946	5.34	ug/L	0.00
41) Toluene-d8	7.36	98	18206	4.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	2526	4.44	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	4299	8.87	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	8528	4.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	6346	5.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6394	6.227 ug/L	97
3) Chloromethane	1.25	50	5891	6.068 ug/L	98
5) Vinyl chloride	1.32	62	5860	5.651 ug/L	95
6) Bromomethane	1.51	94	3459	4.298 ug/L	95
8) Chloroethane	1.58	64	4068	5.338 ug/L #	82
9) Trichlorofluoromethane	1.76	101	10197	4.903 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5981	5.178 ug/L	96
12) 1,1-Dichloroethene	2.13	96	5030	5.085 ug/L	88
13) Acetone	2.19	43	5820	8.137 ug/L	96
14) Carbon disulfide	2.31	76	13568	5.300 ug/L	98
15) Methyl Acetate	2.46	43	5386	5.723 ug/L	93
16) Methylene chloride	2.53	84	5598	5.564 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	5057	5.367 ug/L	93
18) Methyl tert-butyl Ether	2.80	73	15687	5.231 ug/L #	91
19) 1,1-Dichloroethane	3.23	63	9026	5.267 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	5451	4.989 ug/L	70
22) 2-Butanone	4.03	43	7238	9.298 ug/L	88
23) Bromochloromethane	4.30	128	3006	5.475 ug/L #	94
25) Chloroform	4.43	83	9885	5.145 ug/L	97
27) 1,2-Dichloroethane	5.18	62	7097	4.788 ug/L	95
29) Cyclohexane	4.72	56	8411	5.815 ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	8177	5.303 ug/L	95
31) Carbon tetrachloride	4.87	117	6299	4.858 ug/L	98
33) Benzene	5.15	78	21505	5.779 ug/L	100
34) Trichloroethene	5.96	95	5456m	5.483 ug/L	
35) Methylcyclohexane	6.17	83	8939	5.506 ug/L	92
37) 1,2-Dichloropropane	6.22	63	5390	5.662 ug/L #	93
38) Bromodichloromethane	6.55	83	6386	4.819 ug/L	90
39) cis-1,3-Dichloropropene	7.07	75	7601	5.050 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	12986	10.223 ug/L #	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031719\
 Data File : VV009728.D
 Acq On : 16 Mar 2019 14:24
 Operator : SY/MD
 Sample : VSTD00562
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Manual Integrations
 APPROVED

MMDadoda
 3/18/2019 9:25:24 AM

Quant Time: Mar 18 07:28:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 18 07:20:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	23147	5.466	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	6990	4.998	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	5574	5.648	ug/L	96
46) Tetrachloroethene	8.02	164	5141	6.518	ug/L	96
48) 2-Hexanone	8.19	43	8213	8.206	ug/L	92
49) Dibromochloromethane	8.29	129	5333	4.918	ug/L	96
50) 1,2-Dibromoethane	8.40	107	5636	5.431	ug/L #	98
51) Chlorobenzene	8.92	112	15959	5.640	ug/L	99
52) Ethylbenzene	9.06	91	25642	5.348	ug/L	99
53) m,p-Xylene	9.18	106	9807	5.335	ug/L	99
54) o-Xylene	9.59	106	9825	5.303	ug/L	92
55) Styrene	9.61	104	14429	4.829	ug/L	100
56) Isopropylbenzene	9.98	105	24726	5.135	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	9552	5.564	ug/L	89
59) 1,2,3-Trichloropropane	10.32	75	6842	5.378	ug/L	96
61) Bromoform	9.78	173	3561	5.480	ug/L #	95
62) 1,3-Dichlorobenzene	11.23	146	10534	5.951	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	10551	6.043	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	10798	5.967	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1315	4.870	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	5928	5.158	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	3059	3.798	ug/L	94
69) Naphthalene	13.55	128	8365	3.732	ug/L #	89
70) 1,2,3-Trichlorobenzene	13.80	180	2872	3.436	ug/L	99

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

