

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032519\
 Data File : VV009859.D
 Acq On : 25 Mar 2019 13:48
 Operator : SY/MD
 Sample : VSTD00568
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 11:05:39 AM

Quant Time: Mar 26 06:51:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Mar 26 05:58:40 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	185908	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175711	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72425	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10229	7.34	ug/L	0.00
7) Chloroethane-d5	1.56	69	11108	8.74	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	29062	9.86	ug/L	0.00
21) 2-Butanone-d5	3.93	46	7488m	8.22	ug/L	0.00
24) Chloroform-d	4.41	84	12684	5.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	8985	6.42	ug/L	0.00
32) Benzene-d6	5.10	84	24438	5.26	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	7436	5.15	ug/L	0.00
41) Toluene-d8	7.36	98	22089	5.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	3029	4.39	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	5003	7.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	10999	4.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	8803	5.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9767	6.212	ug/L 96
3) Chloromethane	1.25	50	10229	6.584	ug/L 99
5) Vinyl chloride	1.33	62	14070	8.017	ug/L 97
6) Bromomethane	1.51	94	12767	11.829	ug/L 97
8) Chloroethane	1.58	64	10188	8.811	ug/L 95
9) Trichlorofluoromethane	1.76	101	29487	11.085	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	16139	10.386	ug/L 98
12) 1,1-Dichloroethene	2.14	96	13568	9.153	ug/L 85
13) Acetone	2.19	43	10741	11.329	ug/L 99
14) Carbon disulfide	2.32	76	19665	5.472	ug/L 99
15) Methyl Acetate	2.46	43	7533	5.478	ug/L 99
16) Methylene chloride	2.53	84	8018	5.703	ug/L 91
17) trans-1,2-Dichloroethene	2.79	96	7971	6.172	ug/L 85
18) Methyl tert-butyl Ether	2.80	73	21120	5.591	ug/L 99
19) 1,1-Dichloroethane	3.23	63	13033	5.712	ug/L 93
20) cis-1,2-Dichloroethene	3.96	96	8130	5.698	ug/L 90
22) 2-Butanone	4.03	43	9825	8.825	ug/L 76
23) Bromochloromethane	4.30	128	3623m	4.791	ug/L
25) Chloroform	4.43	83	14855	6.213	ug/L 95
27) 1,2-Dichloroethane	5.18	62	11269	6.474	ug/L 100
29) Cyclohexane	4.73	56	11317	5.972	ug/L # 90
30) 1,1,1-Trichloroethane	4.66	97	10971	5.771	ug/L # 35
31) Carbon tetrachloride	4.88	117	9372	5.588	ug/L 93
33) Benzene	5.15	78	30853	6.124	ug/L 100
34) Trichloroethene	5.96	95	7599	5.729	ug/L 95
35) Methylcyclohexane	6.18	83	12773	6.146	ug/L 95
37) 1,2-Dichloropropane	6.23	63	8175	6.354	ug/L # 93
38) Bromodichloromethane	6.56	83	9243	5.593	ug/L # 90
39) cis-1,3-Dichloropropene	7.07	75	8657m	4.211	ug/L
40) 4-Methyl-2-pentanone	7.27	43	18921	10.628	ug/L 98

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

42) Toluene	7.43	91	30779	5.567	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	8018m	4.499	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	6958	5.272	ug/L	93
46) Tetrachloroethene	8.02	164	6302	5.741	ug/L	94
48) 2-Hexanone	8.19	43	11248	7.625	ug/L #	88
49) Dibromochloromethane	8.29	129	6112	4.213	ug/L	95
50) 1,2-Dibromoethane	8.40	107	6828	4.712	ug/L #	84
51) Chlorobenzene	8.93	112	21150	5.775	ug/L	93
52) Ethylbenzene	9.05	91	32638	5.412	ug/L	99
53) m,p-Xylene	9.18	106	12254	5.283	ug/L	94
54) o-xylene	9.59	106	12206	5.305	ug/L	90
55) Styrene	9.61	104	17502	4.516	ug/L	98
56) Isopropylbenzene	9.97	105	29499	4.980	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	11516	5.023	ug/L #	87
59) 1,2,3-Trichloropropane	10.32	75	9812	5.632	ug/L	95
61) Bromoform	9.78	173	3966	4.453	ug/L #	93
62) 1,3-Dichlorobenzene	11.23	146	14574	6.307	ug/L	92
63) 1,4-Dichlorobenzene	11.32	146	15256	6.340	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	14152	5.956	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1900	5.013	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	8807	4.975	ug/L	92
68) 1,2,4-trichlorobenzene	13.31	180	7031	4.587	ug/L	100
69) Naphthalene	13.55	128	14117	2.963	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.80	180	6608	4.134	ug/L	86

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

