

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031619\
 Data File : VV009726.D
 Acq On : 16 Mar 2019 08:10
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Quant Time: Mar 16 09:42:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 16 02:32:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	169850	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	170570	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81930	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48686	48.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.86%
7) Chloroethane-d5	1.58	69	46536	44.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.96%
11) 1,1-Dichloroethene-d2	2.13	63	130111	49.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.12%
21) 2-Butanone-d5	3.93	46	73867	99.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.43%
24) Chloroform-d	4.41	84	113604	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
26) 1,2-Dichloroethane-d4	5.09	65	72494	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.78%
32) Benzene-d6	5.10	84	220587	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
36) 1,2-Dichloropropane-d6	6.12	67	66751	50.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.66%
41) Toluene-d8	7.36	98	213044	49.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.67	79	30505	44.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.06%
47) 2-Hexanone-d5	8.13	63	51632	89.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.01%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	102846	48.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.56%
64) 1,2-Dichlorobenzene-d4	11.68	152	82278	47.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	58267	54.248	ug/L 100
3) Chloromethane	1.25	50	53884	52.520	ug/L 96
5) Vinyl chloride	1.33	62	59820	54.683	ug/L 99
6) Bromomethane	1.53	94	43212	46.310	ug/L 99
8) Chloroethane	1.60	64	40981	48.103	ug/L 94
9) Trichlorofluoromethane	1.77	101	123546	53.270	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	65731	51.113	ug/L 98
12) 1,1-Dichloroethene	2.14	96	60215	54.734	ug/L 91
13) Acetone	2.19	43	43869	56.029	ug/L 97
14) Carbon disulfide	2.32	76	139183	50.712	ug/L 97
15) Methyl Acetate	2.46	43	52954	52.188	ug/L 99
16) Methylene chloride	2.54	84	56896	53.140	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	53123	52.948	ug/L 96
18) Methyl tert-butyl Ether	2.81	73	172133	53.384	ug/L 99
19) 1,1-Dichloroethane	3.23	63	100349	54.088	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	63266	54.210	ug/L 94
22) 2-Butanone	4.02	43	72180	84.942	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31847	54.076	ug/L	98
25) Chloroform	4.43	83	111192	53.465	ug/L	94
27) 1,2-Dichloroethane	5.18	62	85374	52.393	ug/L	97
29) Cyclohexane	4.73	56	88179	53.107	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	98135	54.426	ug/L	98
31) Carbon tetrachloride	4.88	117	81637	54.254	ug/L	99
33) Benzene	5.15	78	230011	53.729	ug/L	100
34) Trichloroethene	5.96	95	61781	54.071	ug/L	98
35) Methylcyclohexane	6.18	83	93933	50.820	ug/L	96
37) 1,2-Dichloropropane	6.22	63	57122	52.351	ug/L	99
38) Bromodichloromethane	6.56	83	80346	52.217	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	83110	47.788	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	144856	98.772	ug/L	100
42) Toluene	7.43	91	261019	53.496	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	80560	49.332	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	60954	54.161	ug/L	98
46) Tetrachloroethene	8.02	164	51525	57.359	ug/L	98
48) 2-Hexanone	8.18	43	102194	87.448	ug/L	98
49) Dibromochloromethane	8.29	129	66424	53.031	ug/L	98
50) 1,2-Dibromoethane	8.40	107	65324	54.797	ug/L	99
51) Chlorobenzene	8.93	112	172617	52.698	ug/L	98
52) Ethylbenzene	9.06	91	291314	52.702	ug/L	99
53) m,p-Xylene	9.19	106	112366	53.063	ug/L	96
54) o-Xylene	9.59	106	109670	51.308	ug/L	98
55) Styrene	9.61	104	184311	53.220	ug/L	97
56) Isopropylbenzene	9.98	105	289970	52.102	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	100401	50.462	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	75791	51.229	ug/L	98
61) Bromoform	9.78	173	42912	46.452	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	126850	50.926	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	127379	51.881	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	131245	51.428	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	18648	48.344	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	82105	50.855	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	64573	57.784	ug/L	100
69) Naphthalene	13.55	128	176845	56.205	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65756	55.858	ug/L	96

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

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