

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112618\
 Data File : VV008724.D
 Acq On : 26 Nov 2018 20:14
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Quant Time: Nov 27 03:15:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 27 03:11:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	279123	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	259777	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	124498	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80047	40.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.30%
7) Chloroethane-d5	1.57	69	62473	58.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	116.16%
11) 1,1-Dichloroethene-d2	2.13	63	150227	46.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.44%
21) 2-Butanone-d5	3.93	46	149604	93.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.21%
24) Chloroform-d	4.41	84	194595	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.58%
26) 1,2-Dichloroethane-d4	5.08	65	122996	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.42%
32) Benzene-d6	5.10	84	385961	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.52%
36) 1,2-Dichloropropane-d6	6.12	67	121943	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.54%
41) Toluene-d8	7.36	98	352111	48.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.10%
43) trans-1,3-Dichloropropene-	7.67	79	56134	49.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.36%
47) 2-Hexanone-d5	8.13	63	102537	89.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	168350	48.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.72%
64) 1,2-Dichlorobenzene-d4	11.68	152	137982	50.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.54%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	109836	48.589	ug/L	99
3) Chloromethane	1.25	50	108065	49.356	ug/L	96
5) Vinyl chloride	1.32	62	102759	48.340	ug/L	97
6) Bromomethane	1.52	94	36574	50.997	ug/L	98
8) Chloroethane	1.59	64	57250	53.767	ug/L	97
9) Trichlorofluoromethane	1.76	101	140221	51.265	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	78780	49.896	ug/L	97
12) 1,1-Dichloroethene	2.14	96	71804	50.667	ug/L	91
13) Acetone	2.19	43	104488	65.795	ug/L	99
14) Carbon disulfide	2.32	76	250692	45.427	ug/L	100
15) Methyl Acetate	2.46	43	116568	46.551	ug/L	99
16) Methylene chloride	2.54	84	107507	48.978	ug/L	94
17) trans-1,2-Dichloroethene	2.79	96	97000	49.349	ug/L	96
18) Methyl tert-butyl Ether	2.81	73	322383	49.384	ug/L	98
19) 1,1-Dichloroethane	3.23	63	184368	48.893	ug/L	97
20) cis-1,2-Dichloroethene	3.97	96	109418	48.684	ug/L	83
22) 2-Butanone	4.02	43	159977	79.554	ug/L	95

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

23) Bromochloromethane	4.30	128	54727	50.563	ug/L	83
25) Chloroform	4.43	83	189135	48.189	ug/L	94
27) 1,2-Dichloroethane	5.18	62	149233	49.081	ug/L	99
29) Cyclohexane	4.73	56	167794	47.681	ug/L #	100
30) 1,1,1-Trichloroethane	4.66	97	161540	50.323	ug/L	96
31) Carbon tetrachloride	4.88	117	136866	51.270	ug/L	98
33) Benzene	5.15	78	415598	49.762	ug/L	100
34) Trichloroethene	5.96	95	108542	49.040	ug/L	89
35) Methylcyclohexane	6.18	83	178590	48.866	ug/L	96
37) 1,2-Dichloropropane	6.22	63	108718	48.194	ug/L #	94
38) Bromodichloromethane	6.56	83	131728	48.729	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	163566	51.017	ug/L	94
40) 4-Methyl-2-pentanone	7.27	43	287943	90.892	ug/L	93
42) Toluene	7.43	91	439509	50.604	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	150737	51.684	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	104152	50.593	ug/L	95
46) Tetrachloroethene	8.02	164	84469	52.838	ug/L	97
48) 2-Hexanone	8.19	43	212068	85.389	ug/L	95
49) Dibromochloromethane	8.29	129	105973	51.820	ug/L	94
50) 1,2-Dibromoethane	8.40	107	110000	51.307	ug/L #	98
51) Chlorobenzene	8.93	112	295965	53.561	ug/L	93
52) Ethylbenzene	9.06	91	483862	50.776	ug/L	98
53) m,p-Xylene	9.18	106	181927	51.954	ug/L	90
54) o-xylene	9.59	106	182853	52.514	ug/L	97
55) Styrene	9.61	104	300648	51.773	ug/L	98
56) Isopropylbenzene	9.98	105	475757	51.962	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	167975	48.235	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	136324	47.710	ug/L	98
61) Bromoform	9.78	173	68857	50.367	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	211008	50.580	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	223023	52.455	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	230497	53.530	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	31033	44.508	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	144568	49.774	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	106418	48.283	ug/L	98
69) Naphthalene	13.56	128	254193	40.505	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	108289	47.781	ug/L	97

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

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