

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042619\
 Data File : VW010172.D
 Acq On : 27 Apr 2019 01:14
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 3.52G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Quant Time: Apr 27 01:36:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 27 00:45:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	593339	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	585248	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	295821	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	140955	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.40%
7) Chloroethane-d5	2.89	69	125383	26.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.00%
10) 1,1-Dichloroethene-d2	4.02	63	343096	20.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.44%
20) 2-Butanone-d5	7.07	46	143498	53.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.16%
24) Chloroform-d	7.65	84	402448	25.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.92%
26) 1,2-Dichloroethane-d4	8.30	65	242502	26.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.00%
29) Benzene-d6	8.27	84	764816	23.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.28%
33) 1,2-Dichloropropane-d6	9.27	67	247081	23.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.64%
37) Toluene-d8	10.32	98	697948	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.72%
38) trans-1,3-Dichloropropene-	10.57	79	108702	22.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.32%
39) 2-Hexanone-d5	10.93	63	119841	55.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	228025	26.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	272537	24.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	186915	23.417	ug/L	92
3) Chloromethane	2.21	50	168514	26.975	ug/L	95
5) Vinyl chloride	2.37	62	192638	27.295	ug/L	98
6) Bromomethane	2.78	94	122176	28.388	ug/L	98
8) Chloroethane	2.93	64	121270	28.413	ug/L	97
9) Trichlorofluoromethane	3.26	101	86310	22.462	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	166592	22.334	ug/L	95
12) 1,1-Dichloroethene	4.04	96	177231	23.051	ug/L	85
13) Acetone	4.12	43	96439	47.711	ug/L	98
14) Carbon disulfide	4.38	76	503921	22.612	ug/L	99
15) Methyl Acetate	4.67	43	125556	26.253	ug/L	98
16) Methylene chloride	4.92	84	212616	25.566	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	263387	25.953	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	195561	23.947	ug/L	98
19) 1,1-Dichloroethane	6.21	63	389195	25.181	ug/L	98
21) 2-Butanone	7.17	43	167873	53.561	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	229647	26.263	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	110973	28.897	ug/L	94
25) Chloroform	7.67	83	408176	26.750	ug/L	99
27) 1,2-Dichloroethane	8.40	62	308099	27.399	ug/L	98
30) Cyclohexane	7.95	56	308263	20.292	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	292851	23.266	ug/L	99
32) Carbon tetrachloride	8.07	117	281990	22.629	ug/L	99
34) Benzene	8.32	78	866954	24.354	ug/L	100
35) Trichloroethene	9.09	95	219021	23.329	ug/L	98
36) Methylcyclohexane	9.34	83	332814	21.153	ug/L	99
40) 1,2-Dichloropropane	9.37	63	236557	25.750	ug/L	100
41) Bromodichloromethane	9.64	83	308804	26.012	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	350503	24.533	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	369704	52.232	ug/L	98
44) Toluene	10.38	91	936046	24.840	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	308780	25.046	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	182702	27.412	ug/L	98
47) Tetrachloroethene	10.86	164	169602	23.675	ug/L	97
49) 2-Hexanone	10.97	43	266021	53.175	ug/L	97
50) Dibromochloromethane	11.13	129	220688	27.633	ug/L	99
51) 1,2-Dibromoethane	11.23	107	179987	27.176	ug/L	99
52) Chlorobenzene	11.66	112	608959	25.540	ug/L	99
53) Ethylbenzene	11.73	91	1041203	24.618	ug/L	100
54) m,p-Xylene	11.84	106	391283	25.011	ug/L	97
55) o-xylene	12.16	106	378257	25.497	ug/L	98
56) Styrene	12.18	104	684210	27.118	ug/L	99
57) Isopropylbenzene	12.46	105	981770	24.322	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	229558	27.193	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	170464	26.683	ug/L	99
62) Bromoform	12.35	173	130744	26.600	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	464129	24.659	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	486563	24.911	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	458730	26.350	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	39880	24.644	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	331860	24.043	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	278327	24.785	ug/L	98
69) Naphthalene	15.37	128	637570	22.989	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	280165	26.646	ug/L	99

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

