

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\
 Data File : VW009528.D
 Acq On : 28 Mar 2019 04:39
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.21G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Mar 28 07:48:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 07:41:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	335008	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	332280	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	173599	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76118	19.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.04%
7) Chloroethane-d5	2.89	69	97074	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
10) 1,1-Dichloroethene-d2	4.02	63	198700	22.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.84%
20) 2-Butanone-d5	7.07	46	109397	66.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.16%
24) Chloroform-d	7.65	84	237472	25.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.88%
26) 1,2-Dichloroethane-d4	8.30	65	148273	26.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.68%
29) Benzene-d6	8.27	84	419985	22.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.68%
33) 1,2-Dichloropropane-d6	9.27	67	132615	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.36%
37) Toluene-d8	10.32	98	383852	22.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.60%
38) trans-1,3-Dichloropropene-	10.58	79	61760	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.36%
39) 2-Hexanone-d5	10.93	63	76581	57.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	158199	29.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	157990	23.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	107441	24.345	ug/L	98
3) Chloromethane	2.21	50	112216	23.966	ug/L	100
5) Vinyl chloride	2.37	62	143713	29.820	ug/L	100
6) Bromomethane	2.78	94	110954	27.480	ug/L	99
8) Chloroethane	2.92	64	112217	28.144	ug/L	89
9) Trichlorofluoromethane	3.26	101	80213	21.071	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	117591	26.747	ug/L	96
12) 1,1-Dichloroethene	4.03	96	112763	27.334	ug/L	91
13) Acetone	4.12	43	76287	56.188	ug/L	99
14) Carbon disulfide	4.38	76	305429	27.510	ug/L	99
15) Methyl Acetate	4.67	43	88696	33.254	ug/L	97
16) Methylene chloride	4.91	84	143387	29.350	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	168452	28.859	ug/L	98
18) trans-1,2-Dichloroethene	5.41	96	116904	26.953	ug/L	96
19) 1,1-Dichloroethane	6.21	63	236407	29.893	ug/L	99
21) 2-Butanone	7.17	43	123539	65.900	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	133375	28.387	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65559	29.092	ug/L	97
25) Chloroform	7.67	83	252783	30.522	ug/L	99
27) 1,2-Dichloroethane	8.40	62	194994	31.579	ug/L	97
30) Cyclohexane	7.95	56	194655	25.794	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	192035	28.936	ug/L	99
32) Carbon tetrachloride	8.06	117	189707	28.332	ug/L	99
34) Benzene	8.32	78	524121	28.818	ug/L	100
35) Trichloroethene	9.09	95	133876	27.625	ug/L	97
36) Methylcyclohexane	9.34	83	217557	25.948	ug/L	99
40) 1,2-Dichloropropane	9.37	63	134807	28.885	ug/L	98
41) Bromodichloromethane	9.64	83	187011	28.920	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	205463	27.030	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	269053	63.621	ug/L	99
44) Toluene	10.38	91	563463	28.336	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	179854	27.200	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	109796	29.489	ug/L	99
47) Tetrachloroethene	10.86	164	104601	25.545	ug/L	99
49) 2-Hexanone	10.97	43	201795	67.750	ug/L	98
50) Dibromochloromethane	11.13	129	132452	28.818	ug/L	99
51) 1,2-Dibromoethane	11.24	107	112170	29.718	ug/L	90
52) Chlorobenzene	11.66	112	358948	28.144	ug/L	98
53) Ethylbenzene	11.73	91	638958	28.581	ug/L	100
54) m,p-Xylene	11.84	106	237570	27.971	ug/L	96
55) o-xylene	12.16	106	233035	28.124	ug/L	99
56) Styrene	12.18	104	412611	29.185	ug/L	97
57) Isopropylbenzene	12.46	105	631094	28.432	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	155816	31.021	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	120106	32.220	ug/L	99
62) Bromoform	12.35	173	85204	29.048	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	270555	26.150	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	291345	27.237	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	275869	27.959	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	30229	31.260	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	204251	25.310	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	165862	24.468	ug/L	98
69) Naphthalene	15.37	128	411757	29.299	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	173024	27.252	ug/L	98

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

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