

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009432.D
 Acq On : 25 Mar 2019 17:15
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:13:28 PM

Quant Time: Mar 26 09:02:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 07:46:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	454467	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	440762	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	232172	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	128543	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.68%
7) Chloroethane-d5	2.89	69	143094	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.08%
10) 1,1-Dichloroethene-d2	4.01	63	292339	24.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.64%
20) 2-Butanone-d5	7.07	46	114838	51.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.26%
24) Chloroform-d	7.64	84	323470	26.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.32%
26) 1,2-Dichloroethane-d4	8.31	65	192217	25.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.92%
29) Benzene-d6	8.27	84	599314	24.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.64%
33) 1,2-Dichloropropane-d6	9.27	67	183537	25.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.56%
37) Toluene-d8	10.32	98	554327	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.64%
38) trans-1,3-Dichloropropene-	10.58	79	87402	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.36%
39) 2-Hexanone-d5	10.93	63	93563	52.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	191241	26.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	220393	24.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	141463	23.629	ug/L 98
3) Chloromethane	2.21	50	137339	21.622	ug/L 98
5) Vinyl chloride	2.37	62	183033	27.996	ug/L 99
6) Bromomethane	2.78	94	132407	24.173	ug/L 99
8) Chloroethane	2.93	64	136027	25.148	ug/L 93
9) Trichlorofluoromethane	3.25	101	101419	19.638	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	155229m	26.028	ug/L
12) 1,1-Dichloroethene	4.04	96	143153	25.580	ug/L 89
13) Acetone	4.12	43	81689	44.352	ug/L 100
14) Carbon disulfide	4.38	76	401661	26.668	ug/L 100
15) Methyl Acetate	4.67	43	84236	23.280	ug/L 99
16) Methylene chloride	4.91	84	148799	22.452	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	197711	24.968	ug/L 97
18) trans-1,2-Dichloroethene	5.41	96	143976	24.469	ug/L 97
19) 1,1-Dichloroethane	6.21	63	274717	25.607	ug/L 98
21) 2-Butanone	7.17	43	116158	45.675	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	157456	24.703	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72687	23.776	ug/L	97
25) Chloroform	7.67	83	291018	25.903	ug/L	99
27) 1,2-Dichloroethane	8.40	62	216440	25.839	ug/L	97
30) Cyclohexane	7.95	56	243584	24.334	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	227430	25.835	ug/L	99
32) Carbon tetrachloride	8.07	117	231943	26.114	ug/L	99
34) Benzene	8.32	78	614660	25.478	ug/L	100
35) Trichloroethene	9.09	95	158727	24.692	ug/L	98
36) Methylcyclohexane	9.34	83	275300	24.754	ug/L	98
40) 1,2-Dichloropropane	9.37	63	155260	25.080	ug/L	99
41) Bromodichloromethane	9.64	83	216196	25.205	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	248394	24.635	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	259991	46.347	ug/L	99
44) Toluene	10.38	91	667864	25.320	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	219539	25.030	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	118910	24.077	ug/L	99
47) Tetrachloroethene	10.86	164	134104	24.689	ug/L	98
49) 2-Hexanone	10.97	43	194348	49.190	ug/L	99
50) Dibromochloromethane	11.13	129	150463	24.679	ug/L	97
51) 1,2-Dibromoethane	11.23	107	120031	23.974	ug/L #	93
52) Chlorobenzene	11.66	112	426834	25.230	ug/L	98
53) Ethylbenzene	11.73	91	762367	25.708	ug/L	98
54) m,p-Xylene	11.84	106	286463	25.426	ug/L	94
55) o-xylene	12.16	106	277932	25.287	ug/L	99
56) Styrene	12.18	104	488535	26.051	ug/L	93
57) Isopropylbenzene	12.47	105	765684	26.005	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	167337	25.115	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	124112	25.100	ug/L	97
62) Bromoform	12.35	173	95159	24.258	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	336410	24.312	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	356056	24.889	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	331794	25.143	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	29946	23.155	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	268196	24.850	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	223912	24.699	ug/L	100
69) Naphthalene	15.37	128	467042	24.849	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	213668	25.164	ug/L	98

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

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