

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040619\
 Data File : VW009745.D
 Acq On : 05 Apr 2019 23:19
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:42:45 AM

Quant Time: Apr 06 05:37:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 03:51:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	485068	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	460910	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	229425	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	123119	19.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.60%
7) Chloroethane-d5	2.89	69	121595	20.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.64%
10) 1,1-Dichloroethene-d2	4.01	63	301557	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.36%
20) 2-Butanone-d5	7.07	46	86757	42.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.20%
24) Chloroform-d	7.65	84	319974	24.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.68%
26) 1,2-Dichloroethane-d4	8.31	65	183460	22.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.32%
29) Benzene-d6	8.27	84	578025	23.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.56%
33) 1,2-Dichloropropane-d6	9.27	67	177084	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.80%
37) Toluene-d8	10.32	98	531891	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
38) trans-1,3-Dichloropropene-	10.57	79	80213	22.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.00%
39) 2-Hexanone-d5	10.93	63	61680	43.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	154916	22.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	193667	24.06	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	167157m	26.160	ug/L	
3) Chloromethane	2.21	50	155900	23.609	ug/L	98
5) Vinyl chloride	2.37	62	196182	23.162	ug/L	96
6) Bromomethane	2.78	94	134675	22.978	ug/L	99
8) Chloroethane	2.93	64	134056	24.114	ug/L	93
9) Trichlorofluoromethane	3.26	101	123057	23.683	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	168554	24.939	ug/L	96
12) 1,1-Dichloroethene	4.03	96	160821	24.962	ug/L	92
13) Acetone	4.12	43	81866	37.074	ug/L	100
14) Carbon disulfide	4.37	76	479521	23.945	ug/L	99
15) Methyl Acetate	4.67	43	84691	21.035	ug/L	98
16) Methylene chloride	4.92	84	181177	21.178	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	221098	24.912	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	170141	25.393	ug/L	96
19) 1,1-Dichloroethane	6.21	63	336121	26.140	ug/L	99
21) 2-Butanone	7.17	43	112000	39.880	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	185477	25.882	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	81998	24.941	ug/L	97
25) Chloroform	7.67	83	348250	25.856	ug/L	100
27) 1,2-Dichloroethane	8.40	62	250817	24.621	ug/L	96
30) Cyclohexane	7.95	56	286988	26.381	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	272579	26.070	ug/L	99
32) Carbon tetrachloride	8.06	117	268077	25.573	ug/L	99
34) Benzene	8.32	78	735235	26.513	ug/L	100
35) Trichloroethene	9.09	95	187534	25.841	ug/L	99
36) Methylcyclohexane	9.33	83	312627	26.202	ug/L	100
40) 1,2-Dichloropropane	9.37	63	187059	26.351	ug/L	99
41) Bromodichloromethane	9.64	83	253463	25.877	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	284430	25.864	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	250714	45.468	ug/L	99
44) Toluene	10.38	91	789195	26.865	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	241338	25.454	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	130121	24.421	ug/L	95
47) Tetrachloroethene	10.86	164	149421	26.142	ug/L	98
49) 2-Hexanone	10.97	43	181447	44.194	ug/L	99
50) Dibromochloromethane	11.13	129	163647	24.999	ug/L	92
51) 1,2-Dibromoethane	11.23	107	124624	23.336	ug/L	98
52) Chlorobenzene	11.66	112	489480	25.886	ug/L	100
53) Ethylbenzene	11.73	91	901612	26.943	ug/L	100
54) m,p-Xylene	11.84	106	334554	27.030	ug/L	98
55) o-xylene	12.16	106	320543	27.192	ug/L	97
56) Styrene	12.18	104	559101	27.335	ug/L	99
57) Isopropylbenzene	12.46	105	880459	27.278	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	165395	23.084	ug/L #	97
59) 1,2,3-Trichloropropane	12.77	75	122589	22.985	ug/L	99
62) Bromoform	12.35	173	93459	23.169	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	370433	26.101	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	388760	25.688	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	356068	26.225	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	27715	20.970	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	276203	26.229	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	216812	25.638	ug/L	99
69) Naphthalene	15.37	128	411773	24.226	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	203053	25.667	ug/L	99

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

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