

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009454.D
 Acq On : 26 Mar 2019 03:35
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02527

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:15:39 PM

Quant Time: Mar 26 09:08:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 09:00:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	394313	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	376689	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	190269	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	95386	20.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.96%
7) Chloroethane-d5	2.89	69	112194	20.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.40%
10) 1,1-Dichloroethene-d2	4.02	63	229488	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.12%
20) 2-Butanone-d5	7.07	46	109883	56.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.78%
24) Chloroform-d	7.64	84	266391	24.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	8.31	65	165131	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.88%
29) Benzene-d6	8.27	84	483769	23.29	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.16%
33) 1,2-Dichloropropane-d6	9.27	67	153332	24.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.28%
37) Toluene-d8	10.32	98	447828	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.24%
38) trans-1,3-Dichloropropene-	10.57	79	71743	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.56%
39) 2-Hexanone-d5	10.93	63	79720	52.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	169484	27.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	173764	23.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	123150m	23.708	ug/L	
3) Chloromethane	2.21	50	114321	20.744	ug/L	100
5) Vinyl chloride	2.37	62	151658	26.736	ug/L	97
6) Bromomethane	2.78	94	114353	24.062	ug/L	99
8) Chloroethane	2.92	64	112108	23.888	ug/L	97
9) Trichlorofluoromethane	3.25	101	86039	19.202	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	119923	23.175	ug/L	94
12) 1,1-Dichloroethene	4.04	96	117750	24.250	ug/L	89
13) Acetone	4.12	43	79475	49.732	ug/L	100
14) Carbon disulfide	4.38	76	327727	25.079	ug/L	97
15) Methyl Acetate	4.67	43	96461	30.726	ug/L	99
16) Methylene chloride	4.92	84	143210	24.905	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	182580	26.575	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	124283	24.345	ug/L	95
19) 1,1-Dichloroethane	6.21	63	246625	26.495	ug/L	98
21) 2-Butanone	7.17	43	117105	53.072	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	141715	25.625	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68017	25.643	ug/L	94
25) Chloroform	7.67	83	257911	26.458	ug/L	99
27) 1,2-Dichloroethane	8.40	62	202735	27.895	ug/L	98
30) Cyclohexane	7.95	56	198351	23.186	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	196737	26.150	ug/L	99
32) Carbon tetrachloride	8.06	117	195256	25.723	ug/L	99
34) Benzene	8.32	78	540863	26.233	ug/L	100
35) Trichloroethene	9.09	95	139422	25.378	ug/L	98
36) Methylcyclohexane	9.34	83	222426	23.401	ug/L	99
40) 1,2-Dichloropropane	9.37	63	139358	26.340	ug/L	99
41) Bromodichloromethane	9.64	83	194561	26.541	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	211061	24.493	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	264145	55.097	ug/L	99
44) Toluene	10.38	91	583141	25.868	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	189310	25.255	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	113541	26.900	ug/L	98
47) Tetrachloroethene	10.86	164	110121	23.723	ug/L	98
49) 2-Hexanone	10.97	43	188089	55.704	ug/L	99
50) Dibromochloromethane	11.13	129	136008	26.103	ug/L	99
51) 1,2-Dibromoethane	11.23	107	114816	26.833	ug/L	92
52) Chlorobenzene	11.66	112	370338	25.614	ug/L	97
53) Ethylbenzene	11.73	91	655651	25.870	ug/L	99
54) m,p-Xylene	11.84	106	243865	25.327	ug/L	95
55) o-xylene	12.16	106	235581	25.079	ug/L	97
56) Styrene	12.18	104	418580	26.117	ug/L	96
57) Isopropylbenzene	12.46	105	643887	25.588	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	159469	28.005	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	119231	28.214	ug/L	99
62) Bromoform	12.35	173	90339	28.101	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	280002	24.692	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	297000	25.333	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	276183	25.539	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	29803	28.120	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	202052	22.844	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	165968	22.339	ug/L	99
69) Naphthalene	15.37	128	398008	25.839	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	167641	24.091	ug/L	99

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

