

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009418.D
 Acq On : 25 Mar 2019 10:06
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:56:53 AM

Quant Time: Mar 26 07:48:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 23:52:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	478531	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	450164	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	235919	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	125731	21.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.96%
7) Chloroethane-d5	2.89	69	142117	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.96%
10) 1,1-Dichloroethene-d2	4.02	63	300515	24.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.24%
20) 2-Butanone-d5	7.07	46	104345	44.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.24%
24) Chloroform-d	7.65	84	307448	23.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	8.31	65	182957	23.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.04%
29) Benzene-d6	8.27	84	571657	23.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.12%
33) 1,2-Dichloropropane-d6	9.27	67	175489	23.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.12%
37) Toluene-d8	10.32	98	529644	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.28%
38) trans-1,3-Dichloropropene-	10.58	79	83602	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.28%
39) 2-Hexanone-d5	10.93	63	80803	44.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	174276	23.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	206536	22.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	168571m	26.741	ug/L	
3) Chloromethane	2.21	50	147487	22.052	ug/L	100
5) Vinyl chloride	2.37	62	203701	29.590	ug/L	99
6) Bromomethane	2.78	94	150387	26.075	ug/L	100
8) Chloroethane	2.92	64	146560	25.733	ug/L	93
9) Trichlorofluoromethane	3.25	101	125555	23.089	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	160695	25.589	ug/L	93
12) 1,1-Dichloroethene	4.03	96	157166	26.671	ug/L	93
13) Acetone	4.12	43	100142	51.637	ug/L	99
14) Carbon disulfide	4.37	76	452003	28.501	ug/L	99
15) Methyl Acetate	4.67	43	87830	23.053	ug/L	96
16) Methylene chloride	4.92	84	162062	23.224	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	207581	24.896	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	157365	25.400	ug/L	93
19) 1,1-Dichloroethane	6.21	63	300205	26.575	ug/L	98
21) 2-Butanone	7.17	43	127363	47.563	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	173416	25.839	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	78440	24.368	ug/L	99
25) Chloroform	7.67	83	313324	26.485	ug/L	99
27) 1,2-Dichloroethane	8.40	62	230991	26.189	ug/L	98
30) Cyclohexane	7.95	56	275142	26.912	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	257093	28.595	ug/L	100
32) Carbon tetrachloride	8.07	117	256278	28.252	ug/L	99
34) Benzene	8.32	78	663840	26.942	ug/L	100
35) Trichloroethene	9.09	95	172669	26.300	ug/L	98
36) Methylcyclohexane	9.33	83	298419	26.272	ug/L	98
40) 1,2-Dichloropropane	9.37	63	164986	26.094	ug/L	99
41) Bromodichloromethane	9.64	83	231569	26.433	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	270087	26.227	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	260438	45.457	ug/L	100
44) Toluene	10.38	91	723588	26.859	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	235881	26.331	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	126178	25.015	ug/L	98
47) Tetrachloroethene	10.86	164	143023	25.782	ug/L	98
49) 2-Hexanone	10.97	43	198574	49.210	ug/L	99
50) Dibromochloromethane	11.13	129	159844	25.670	ug/L	95
51) 1,2-Dibromoethane	11.24	107	126522	24.742	ug/L	96
52) Chlorobenzene	11.66	112	458268	26.522	ug/L	98
53) Ethylbenzene	11.73	91	828309	27.348	ug/L	99
54) m,p-Xylene	11.84	106	310567	26.990	ug/L	95
55) o-xylene	12.16	106	298023	26.548	ug/L	97
56) Styrene	12.18	104	521077	27.205	ug/L	98
57) Isopropylbenzene	12.46	105	834232	27.742	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	171304	25.174	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	126214	24.992	ug/L	100
62) Bromoform	12.35	173	98161	24.625	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	358680	25.510	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	377682	25.981	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	349237	26.045	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	31512	23.979	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	284400	25.932	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	234613	25.468	ug/L	99
69) Naphthalene	15.37	128	469332	24.574	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	219288	25.415	ug/L	98

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

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