

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121418\
 Data File : VW007434.D
 Acq On : 12 Dec 2018 10:57
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02586

Manual Integrations
 APPROVED

MMDadoda
 12/14/2018 12:01:37 AM

Quant Time: Dec 13 00:35:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 11 01:18:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	144207	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	128625	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	65027	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	22040	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.84%
7) Chloroethane-d5	2.90	69	17142m	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.20%
10) 1,1-Dichloroethene-d2	4.01	63	77940	24.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.24%
20) 2-Butanone-d5	7.07	46	19474	32.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.78%
24) Chloroform-d	7.65	84	79397	23.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	8.31	65	42528	21.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.88%
29) Benzene-d6	8.27	84	149160	21.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.40%
33) 1,2-Dichloropropane-d6	9.27	67	42644	21.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.56%
37) Toluene-d8	10.32	98	146262	22.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.32%
38) trans-1,3-Dichloropropene-	10.58	79	22221	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.20%
39) 2-Hexanone-d5	10.92	63	16255	33.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	36316	19.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	53435	23.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	38937	24.724	ug/L	95
3) Chloromethane	2.22	50	25022	19.847	ug/L	100
5) Vinyl chloride	2.37	62	30298	25.473	ug/L	97
6) Bromomethane	2.78	94	18971	23.060	ug/L	99
8) Chloroethane	2.93	64	16224	22.660	ug/L	90
9) Trichlorofluoromethane	3.26	101	29211	21.395	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	45303	24.891	ug/L	98
12) 1,1-Dichloroethene	4.03	96	42333	24.997	ug/L	94
13) Acetone	4.12	43	22764	33.065	ug/L	100
14) Carbon disulfide	4.37	76	124930	25.265	ug/L	99
15) Methyl Acetate	4.67	43	18057	17.491	ug/L #	89
16) Methylene chloride	4.91	84	43752	18.777	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	61594	22.367	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	44456	24.468	ug/L	95
19) 1,1-Dichloroethane	6.21	63	76205	24.606	ug/L	96
21) 2-Butanone	7.17	43	25456	34.401	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	48086	24.051	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	21572	23.668	ug/L	92
25) Chloroform	7.67	83	84098	25.097	ug/L	100
27) 1,2-Dichloroethane	8.40	62	56019	23.386	ug/L	99
30) Cyclohexane	7.95	56	70132	22.728	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	76015	25.110	ug/L	99
32) Carbon tetrachloride	8.06	117	72843	24.900	ug/L	98
34) Benzene	8.32	78	171577	23.272	ug/L	100
35) Trichloroethene	9.09	95	49879	23.593	ug/L	99
36) Methylcyclohexane	9.34	83	84713	23.212	ug/L	98
40) 1,2-Dichloropropane	9.37	63	41910	23.239	ug/L	100
41) Bromodichloromethane	9.64	83	61716	23.833	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	70469	23.267	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	50281	35.224	ug/L	99
44) Toluene	10.39	91	195779	24.637	ug/L	93
45) trans-1,3-Dichloropropene	10.60	75	62022	23.319	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	34052	22.931	ug/L	97
47) Tetrachloroethene	10.86	164	39717	24.870	ug/L	95
49) 2-Hexanone	10.97	43	35957	35.841	ug/L	98
50) Dibromochloromethane	11.13	129	43940	24.086	ug/L	100
51) 1,2-Dibromoethane	11.24	107	33558	22.501	ug/L	91
52) Chlorobenzene	11.66	112	128861	24.985	ug/L	95
53) Ethylbenzene	11.73	91	227782	25.491	ug/L	97
54) m,p-Xylene	11.84	106	86480	25.477	ug/L	88
55) o-xylene	12.17	106	83056	25.892	ug/L	99
56) Styrene	12.18	104	141500	25.733	ug/L	95
57) Isopropylbenzene	12.47	105	234472	26.189	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	39968	21.711	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	30123	20.672	ug/L	99
62) Bromoform	12.35	173	24533	22.030	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	104275	24.961	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	105266	25.276	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	95636	25.580	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	7351	18.564	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	77518	25.616	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	65723	25.191	ug/L	96
69) Naphthalene	15.37	128	137758	21.361	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	57857	24.393	ug/L	98

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

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