

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006306.D
 Acq On : 23 Oct 2018 20:16
 Operator : SY/AP
 Sample : MDL 2 PPB
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 2:08:07 PM

Quant Time: Oct 24 06:03:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 01:59:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	315786	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	293862	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	154816	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	73552	20.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.60%
7) Chloroethane-d5	2.90	69	72660	23.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.80%
10) 1,1-Dichloroethene-d2	4.01	63	122098	17.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.40%
20) 2-Butanone-d5	7.09	46	62155	52.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.30%
24) Chloroform-d	7.65	84	162698	23.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.12%
26) 1,2-Dichloroethane-d4	8.31	65	96167	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.64%
29) Benzene-d6	8.28	84	332858	24.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.80%
33) 1,2-Dichloropropane-d6	9.28	67	95815	23.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.20%
37) Toluene-d8	10.33	98	329075	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.64%
38) trans-1,3-Dichloropropene-	10.59	79	39355	20.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.44%
39) 2-Hexanone-d5	10.93	63	51110	52.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100705	25.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	137181	25.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	8158m	2.733 ug/L	
3) Chloromethane	2.21	50	7435	2.537 ug/L	99
5) Vinyl chloride	2.37	62	10398	2.201 ug/L	88
6) Bromomethane	2.79	94	7965	2.165 ug/L	99
8) Chloroethane	2.94	64	6701m	2.314 ug/L	
9) Trichlorofluoromethane	3.26	101	8422	2.228 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10088m	2.670 ug/L	
12) 1,1-Dichloroethene	4.04	96	8947	2.468 ug/L #	1
13) Acetone	4.14	43	6532	5.477 ug/L	74
14) Carbon disulfide	4.38	76	21314	1.798 ug/L	97
15) Methyl Acetate	4.68	43	4605m	2.384 ug/L	
16) Methylene chloride	4.91	84	14797	3.629 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	12407	2.102 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	8901	2.218 ug/L	94
19) 1,1-Dichloroethane	6.21	63	13347	2.055 ug/L	98
21) 2-Butanone	7.19	43	6845	4.320 ug/L #	69
22) cis-1,2-Dichloroethene	7.17	96	9009	2.058 ug/L	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4458	2.165	ug/L	90
25) Chloroform	7.68	83	15784	2.257	ug/L	91
27) 1,2-Dichloroethane	8.41	62	10382	2.178	ug/L #	94
30) Cyclohexane	7.95	56	13081	2.025	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	12509	2.034	ug/L	98
32) Carbon tetrachloride	8.07	117	11930	1.978	ug/L	100
34) Benzene	8.33	78	32341	2.144	ug/L	100
35) Trichloroethene	9.10	95	9232	2.175	ug/L	97
36) Methylcyclohexane	9.34	83	15468	1.989	ug/L	95
40) 1,2-Dichloropropane	9.37	63	7687	2.054	ug/L	99
41) Bromodichloromethane	9.65	83	9212	1.823	ug/L #	92
42) cis-1,3-Dichloropropene	10.08	75	10962	1.793	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	12747	4.251	ug/L	99
44) Toluene	10.39	91	36077	2.130	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	10899	2.041	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	6627	2.127	ug/L	94
47) Tetrachloroethene	10.87	164	8655	2.203	ug/L	92
49) 2-Hexanone	10.98	43	8619	3.900	ug/L	97
50) Dibromochloromethane	11.13	129	6865	1.719	ug/L	97
51) 1,2-Dibromoethane	11.24	107	6751	2.081	ug/L #	92
52) Chlorobenzene	11.66	112	24403	2.129	ug/L	97
53) Ethylbenzene	11.74	91	40263	2.042	ug/L	99
54) m,p-Xylene	11.85	106	14706	1.903	ug/L	92
55) o-xylene	12.17	106	13669	1.852	ug/L	99
56) Styrene	12.19	104	22952	1.806	ug/L	99
57) Isopropylbenzene	12.47	105	40020	1.949	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	9379	2.316	ug/L #	94
59) 1,2,3-Trichloropropane	12.77	75	6809	2.254	ug/L	99
62) Bromoform	12.35	173	4322	1.666	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	19946	2.098	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	20490	2.140	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	18930	2.164	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	1460	2.074	ug/L	84
67) 1,3,5-Trichlorobenzene	14.64	180	15615	2.038	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	12931	1.979	ug/L	98
69) Naphthalene	15.38	128	24741	1.870	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	11952	2.036	ug/L	99

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

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