

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
 Data File : VW007920.D
 Acq On : 26 Dec 2018 13:02
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV88

Manual Integrations
 APPROVED

MMDadoda
 12/27/2018 4:48:40 PM

Quant Time: Dec 27 00:40:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 26 13:32:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	112227	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	103284	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	50478	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	27449	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.28%
7) Chloroethane-d5	2.89	69	18993	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.96%
10) 1,1-Dichloroethene-d2	4.01	63	69763	23.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.20%
20) 2-Butanone-d5	7.08	46	19722	41.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.62%
24) Chloroform-d	7.65	84	69774	23.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.48%
26) 1,2-Dichloroethane-d4	8.31	65	41191	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.04%
29) Benzene-d6	8.27	84	132272	22.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.32%
33) 1,2-Dichloropropane-d6	9.27	67	36482	23.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.60%
37) Toluene-d8	10.32	98	128503	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.08%
38) trans-1,3-Dichloropropene-	10.58	79	20475	22.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.52%
39) 2-Hexanone-d5	10.93	63	16321	40.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	31733	20.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	44752	21.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	29696m	24.009	ug/L	
3) Chloromethane	2.21	50	22306	22.884	ug/L	98
5) Vinyl chloride	2.37	62	29099	23.998	ug/L	95
6) Bromomethane	2.78	94	17330	24.090	ug/L	96
8) Chloroethane	2.93	64	15128	25.110	ug/L	93
9) Trichlorofluoromethane	3.26	101	22838	21.811	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	33062m	23.337	ug/L	
12) 1,1-Dichloroethene	4.03	96	31556	24.324	ug/L	95
13) Acetone	4.12	43	20040	43.486	ug/L	98
14) Carbon disulfide	4.37	76	100777	24.526	ug/L	99
15) Methyl Acetate	4.67	43	15289	21.802	ug/L	99
16) Methylene chloride	4.90	84	40437	22.268	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	54576	23.668	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	34344	24.405	ug/L	93
19) 1,1-Dichloroethane	6.21	63	56349	24.069	ug/L	99
21) 2-Butanone	7.17	43	22225	42.384	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	36675	24.321	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	16666	24.548	ug/L	96
25) Chloroform	7.67	83	63730	24.170	ug/L	100
27) 1,2-Dichloroethane	8.40	62	46740	24.169	ug/L #	95
30) Cyclohexane	7.95	56	53255	23.437	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	57952	23.403	ug/L	99
32) Carbon tetrachloride	8.07	117	55370	23.290	ug/L	99
34) Benzene	8.32	78	131294	23.756	ug/L	100
35) Trichloroethene	9.09	95	37951	23.634	ug/L	99
36) Methylcyclohexane	9.34	83	65040	23.620	ug/L	100
40) 1,2-Dichloropropane	9.37	63	31212	24.024	ug/L	99
41) Bromodichloromethane	9.65	83	46966	24.581	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	54613	24.082	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	43671	42.471	ug/L	99
44) Toluene	10.39	91	148252	23.975	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	49399	23.640	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	26255	23.887	ug/L	98
47) Tetrachloroethene	10.86	164	30302	23.751	ug/L	96
49) 2-Hexanone	10.97	43	31432	42.369	ug/L	99
50) Dibromochloromethane	11.13	129	32957	23.536	ug/L	99
51) 1,2-Dibromoethane	11.24	107	26492	23.615	ug/L	96
52) Chlorobenzene	11.66	112	96024	23.855	ug/L	99
53) Ethylbenzene	11.73	91	167939	23.638	ug/L	99
54) m,p-Xylene	11.84	106	64087	23.943	ug/L	97
55) o-xylene	12.17	106	60957	24.012	ug/L	98
56) Styrene	12.18	104	105258	24.464	ug/L	99
57) Isopropylbenzene	12.47	105	171427	23.839	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	29937	21.967	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	24275	22.145	ug/L	99
62) Bromoform	12.35	173	18355	23.066	ug/L #	99
63) 1,3-Dichlorobenzene	13.51	146	76064	23.570	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	75503	23.527	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	70310	24.000	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	6346	21.972	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	55962	23.676	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	47794	23.557	ug/L	98
69) Naphthalene	15.38	128	106517	23.193	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	42582	23.708	ug/L	99

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

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