

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122718\
 Data File : VW007992.D
 Acq On : 28 Dec 2018 01:13
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02593

Manual Integrations
 APPROVED

MMDadoda
 12/28/2018 4:56:03 PM

Quant Time: Dec 28 06:59:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 28 05:56:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	86651	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	77886	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	37281	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	19002	22.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.00%
7) Chloroethane-d5	2.90	69	13422	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.32%
10) 1,1-Dichloroethene-d2	4.01	63	51759	22.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.56%
20) 2-Butanone-d5	7.07	46	21233	58.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.60%
24) Chloroform-d	7.65	84	54311	23.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.24%
26) 1,2-Dichloroethane-d4	8.31	65	33242	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.20%
29) Benzene-d6	8.27	84	100695	23.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.20%
33) 1,2-Dichloropropane-d6	9.27	67	27563	23.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.80%
37) Toluene-d8	10.32	98	98175	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.28%
38) trans-1,3-Dichloropropene-	10.58	79	15775	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.52%
39) 2-Hexanone-d5	10.93	63	17504	57.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	29436	25.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	35640	23.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	20757	21.735	ug/L	99
3) Chloromethane	2.21	50	15439	20.514	ug/L	95
5) Vinyl chloride	2.37	62	20488	21.884	ug/L	99
6) Bromomethane	2.78	94	11840	21.317	ug/L	100
8) Chloroethane	2.93	64	10231	21.995	ug/L	92
9) Trichlorofluoromethane	3.26	101	17713	21.910	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	25735m	23.527	ug/L	
12) 1,1-Dichloroethene	4.03	96	23185	23.147	ug/L	86
13) Acetone	4.12	43	15850	44.546	ug/L	100
14) Carbon disulfide	4.37	76	71581	22.562	ug/L	98
15) Methyl Acetate	4.67	43	13675	25.256	ug/L	99
16) Methylene chloride	4.91	84	28042	20.000	ug/L	94
17) Methyl tert-butyl Ether	5.43	73	39864	22.391	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	24584	22.626	ug/L	95
19) 1,1-Dichloroethane	6.21	63	40181	22.229	ug/L	93
21) 2-Butanone	7.17	43	20094	49.631	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	25963	22.300	ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	12121	23.123	ug/L	93
25) Chloroform	7.68	83	45367	22.285	ug/L	99
27) 1,2-Dichloroethane	8.40	62	35277	23.626	ug/L	98
30) Cyclohexane	7.95	56	39492	23.048	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	44898	24.044	ug/L	98
32) Carbon tetrachloride	8.07	117	43726	24.390	ug/L	99
34) Benzene	8.32	78	94461	22.665	ug/L	100
35) Trichloroethene	9.09	95	27514	22.722	ug/L	98
36) Methylcyclohexane	9.34	83	49444	23.812	ug/L	98
40) 1,2-Dichloropropane	9.37	63	21473	21.918	ug/L	99
41) Bromodichloromethane	9.65	83	33762	23.432	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	37278	21.798	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	37725	48.652	ug/L	99
44) Toluene	10.39	91	106096	22.753	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	34693	22.016	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	19601	23.649	ug/L	97
47) Tetrachloroethene	10.86	164	22549	23.438	ug/L	97
49) 2-Hexanone	10.97	43	28569	51.068	ug/L	96
50) Dibromochloromethane	11.13	129	24799	23.485	ug/L	96
51) 1,2-Dibromoethane	11.24	107	20095	23.754	ug/L	91
52) Chlorobenzene	11.66	112	67964	22.390	ug/L	99
53) Ethylbenzene	11.73	91	121099	22.604	ug/L	98
54) m,p-Xylene	11.84	106	46576	23.075	ug/L	95
55) o-xylene	12.17	106	43514	22.731	ug/L	96
56) Styrene	12.18	104	75019	23.121	ug/L	99
57) Isopropylbenzene	12.47	105	123781	22.827	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	24359	23.703	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	20593	24.912	ug/L	98
62) Bromoform	12.35	173	14605	24.850	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	53045	22.256	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	53284	22.481	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	48636	22.479	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	5845	27.401	ug/L	84
67) 1,3,5-Trichlorobenzene	14.63	180	37687	21.589	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	31342	20.916	ug/L	99
69) Naphthalene	15.38	128	82204	24.235	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	29419	22.177	ug/L	99

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

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