

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030419\
 Data File : VW008960.D
 Acq On : 04 Mar 2019 11:24
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02507

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 11:49:06 PM

Quant Time: Mar 05 05:37:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 02 02:55:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	463497	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	452092	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	237547	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	159203	22.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.32%
7) Chloroethane-d5	2.88	69	148176	22.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.56%
10) 1,1-Dichloroethene-d2	4.02	63	278397	23.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.88%
20) 2-Butanone-d5	7.08	46	87099	40.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.02%
24) Chloroform-d	7.65	84	251741	22.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.84%
26) 1,2-Dichloroethane-d4	8.30	65	151430m	22.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.56%
29) Benzene-d6	8.27	84	538881	24.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.32%
33) 1,2-Dichloropropane-d6	9.27	67	155265	24.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.68%
37) Toluene-d8	10.32	98	550923	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.40%
38) trans-1,3-Dichloropropene-	10.58	79	75923	23.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.32%
39) 2-Hexanone-d5	10.92	63	70917	40.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	146243	22.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	206740	24.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	239349	26.882	ug/L 96
3) Chloromethane	2.21	50	231820	25.188	ug/L 96
5) Vinyl chloride	2.35	62	234620	24.865	ug/L 99
6) Bromomethane	2.77	94	147547	23.583	ug/L 99
8) Chloroethane	2.92	64	151411	23.966	ug/L 96
9) Trichlorofluoromethane	3.26	101	292372	25.911	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	168706	25.316	ug/L 98
12) 1,1-Dichloroethene	4.04	96	141081	24.402	ug/L 90
13) Acetone	4.13	43	101754	49.883	ug/L 97
14) Carbon disulfide	4.38	76	509326	25.494	ug/L 98
15) Methyl Acetate	4.68	43	81057	19.923	ug/L 95
16) Methylene chloride	4.92	84	184790	24.656	ug/L 92
17) Methyl tert-butyl Ether	5.43	73	359019	22.081	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	158401	24.886	ug/L 91
19) 1,1-Dichloroethane	6.21	63	271996	25.168	ug/L 97
21) 2-Butanone	7.17	43	122650	42.971	ug/L 94
22) cis-1,2-Dichloroethene	7.17	96	165366	24.223	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	76279	24.420	ug/L #	82
25) Chloroform	7.68	83	308930	27.154	ug/L	99
27) 1,2-Dichloroethane	8.40	62	202630	24.491	ug/L #	94
30) Cyclohexane	7.95	56	270154	25.388	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	277126	26.552	ug/L	96
32) Carbon tetrachloride	8.07	117	254974	26.731	ug/L	99
34) Benzene	8.32	78	637578	25.996	ug/L	100
35) Trichloroethene	9.09	95	169132	25.549	ug/L	97
36) Methylcyclohexane	9.34	83	303896	25.872	ug/L	95
40) 1,2-Dichloropropane	9.37	63	155242	25.624	ug/L	99
41) Bromodichloromethane	9.65	83	211474	25.671	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	246742	25.107	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	229706	41.983	ug/L	96
44) Toluene	10.39	91	748658	26.552	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	221431	25.233	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	118193	23.333	ug/L	98
47) Tetrachloroethene	10.86	164	160332	26.604	ug/L	94
49) 2-Hexanone	10.97	43	189012	44.042	ug/L	92
50) Dibromochloromethane	11.13	129	151824	24.724	ug/L	95
51) 1,2-Dibromoethane	11.24	107	118580	23.143	ug/L	97
52) Chlorobenzene	11.66	112	485331	25.575	ug/L	98
53) Ethylbenzene	11.73	91	862503	26.327	ug/L	97
54) m,p-Xylene	11.84	106	333837	25.914	ug/L	94
55) o-xylene	12.16	106	317033	25.581	ug/L	96
56) Styrene	12.18	104	531641	25.578	ug/L	97
57) Isopropylbenzene	12.47	105	858320	25.962	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	155302	22.852	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	113625	22.614	ug/L	100
62) Bromoform	12.35	173	92465	25.142	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	397952	25.667	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	406289	25.794	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	371005	25.834	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	27704	21.726	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	297554	24.375	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	244231	23.227	ug/L	96
69) Naphthalene	15.37	128	453762	20.962	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	222626	23.041	ug/L	97

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

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