

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031419\
 Data File : VW009193.D
 Acq On : 15 Mar 2019 01:47
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 12:31:24 PM

Quant Time: Mar 15 08:13:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 15 06:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	420977	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	411994	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	209057	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	128344	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.04%
7) Chloroethane-d5	2.89	69	129226	21.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.80%
10) 1,1-Dichloroethene-d2	4.02	63	263787	24.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.04%
20) 2-Butanone-d5	7.08	46	90751	43.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.24%
24) Chloroform-d	7.64	84	290088	25.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	8.31	65	172392	24.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.64%
29) Benzene-d6	8.27	84	551775	24.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.12%
33) 1,2-Dichloropropane-d6	9.27	67	167886	24.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.40%
37) Toluene-d8	10.32	98	513324	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.72%
38) trans-1,3-Dichloropropene-	10.58	79	78650	22.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.80%
39) 2-Hexanone-d5	10.93	63	72651	43.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	159416	23.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	200935	25.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	112278	20.246	ug/L	# 83
3) Chloromethane	2.21	50	141107	23.982	ug/L	98
5) Vinyl chloride	2.37	62	158853	26.230	ug/L	100
6) Bromomethane	2.78	94	127216	25.073	ug/L	98
8) Chloroethane	2.93	64	118227	23.596	ug/L	92
9) Trichlorofluoromethane	3.26	101	93344	19.513	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	131187	23.746	ug/L	97
12) 1,1-Dichloroethene	4.04	96	129260	24.935	ug/L	90
13) Acetone	4.14	43	61656	36.138	ug/L	97
14) Carbon disulfide	4.39	76	379999	27.237	ug/L	99
15) Methyl Acetate	4.67	43	76594m	22.852	ug/L	
16) Methylene chloride	4.92	84	143143	23.317	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	175110	23.873	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	136777	25.095	ug/L	97
19) 1,1-Dichloroethane	6.21	63	251910	25.349	ug/L	98
21) 2-Butanone	7.17	43	100694	42.744	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	149696	25.354	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72610	25.641	ug/L	97
25) Chloroform	7.67	83	265969	25.556	ug/L	99
27) 1,2-Dichloroethane	8.40	62	200754	25.872	ug/L	99
30) Cyclohexane	7.96	56	212492	22.710	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	198465	24.119	ug/L	98
32) Carbon tetrachloride	8.06	117	200959	24.206	ug/L	97
34) Benzene	8.32	78	571425	25.340	ug/L	100
35) Trichloroethene	9.09	95	144045	23.972	ug/L	99
36) Methylcyclohexane	9.33	83	236203	22.721	ug/L	98
40) 1,2-Dichloropropane	9.37	63	144083	24.899	ug/L	99
41) Bromodichloromethane	9.64	83	204338	25.486	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	227838	24.174	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	226954	43.283	ug/L	99
44) Toluene	10.38	91	605232	24.548	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	195521	23.848	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	114423	24.786	ug/L	97
47) Tetrachloroethene	10.86	164	120888	23.810	ug/L	98
49) 2-Hexanone	10.97	43	157700	42.702	ug/L	99
50) Dibromochloromethane	11.13	129	142230	24.958	ug/L	95
51) 1,2-Dibromoethane	11.23	107	114029	24.365	ug/L	95
52) Chlorobenzene	11.66	112	392283	24.807	ug/L	98
53) Ethylbenzene	11.73	91	678893	24.491	ug/L	98
54) m,p-Xylene	11.84	106	258451	24.542	ug/L	99
55) o-xylene	12.16	106	253375	24.662	ug/L	100
56) Styrene	12.18	104	441692	25.197	ug/L	98
57) Isopropylbenzene	12.46	105	667203	24.243	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	148893	23.907	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	107070	23.166	ug/L	100
62) Bromoform	12.35	173	87678	24.822	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	304879	24.470	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	324659	25.203	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	303913	25.577	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	25154	21.600	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	229732	23.639	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	197026	24.136	ug/L	99
69) Naphthalene	15.37	128	415420	24.546	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	188950	24.713	ug/L	100

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

