

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081120\
 Data File : VW016123.D
 Acq On : 11 Aug 2020 07:38
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Manual Integrations
 APPROVED

MMDadoda
 8/13/2020 1:43:16 PM

Quant Time: Aug 11 16:06:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:19:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	404767	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	360369	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162819	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	134850	26.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.48%
7) Chloroethane-d5	2.89	69	100560	26.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.60%
10) 1,1-Dichloroethene-d2	4.01	63	285400	26.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	107.12%
20) 2-Butanone-d5	7.09	46	53268	40.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.68%
24) Chloroform-d	7.65	84	266824	24.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	8.31	65	129474	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.76%
29) Benzene-d6	8.27	84	524905	26.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.12%
33) 1,2-Dichloropropane-d6	9.27	67	144255	25.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.08%
37) Toluene-d8	10.32	98	482404	26.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.32%
38) trans-1,3-Dichloropropene-	10.58	79	62470	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.44%
39) 2-Hexanone-d5	10.93	63	44381	44.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106913	22.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	140977	24.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	121253	29.654	ug/L	91
3) Chloromethane	2.21	50	102812	25.319	ug/L	96
5) Vinyl chloride	2.37	62	146039	27.098	ug/L	100
6) Bromomethane	2.79	94	84836	25.134	ug/L	98
8) Chloroethane	2.93	64	78326	25.810	ug/L	92
9) Trichlorofluoromethane	3.26	101	112905	29.350	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	137675	25.324	ug/L	98
12) 1,1-Dichloroethene	4.03	96	135556	26.093	ug/L	98
13) Acetone	4.14	43	42767	42.812	ug/L	72
14) Carbon disulfide	4.37	76	430319	26.388	ug/L	99
15) Methyl Acetate	4.67	43	44932m	19.130	ug/L	
16) Methylene chloride	4.91	84	129221	20.218	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	154388	20.971	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	135235	24.747	ug/L	90
19) 1,1-Dichloroethane	6.21	63	227213	23.500	ug/L	99
21) 2-Butanone	7.18	43	58764	37.117	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	131485	22.808	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	57225	21.628	ug/L	98
25) Chloroform	7.68	83	235619	22.906	ug/L	99
27) 1,2-Dichloroethane	8.40	62	143235	20.904	ug/L	99
30) Cyclohexane	7.95	56	215462	27.479	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	216018	26.087	ug/L	99
32) Carbon tetrachloride	8.07	117	205399	26.226	ug/L	97
34) Benzene	8.32	78	530542	25.530	ug/L	100
35) Trichloroethene	9.09	95	140659	25.172	ug/L	99
36) Methylcyclohexane	9.34	83	249268	27.079	ug/L	99
40) 1,2-Dichloropropane	9.37	63	121873	23.881	ug/L	100
41) Bromodichloromethane	9.65	83	162605	23.194	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	185025	23.806	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	124190	40.459	ug/L	100
44) Toluene	10.39	91	566528	25.825	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	161942	23.195	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	87383	21.753	ug/L	97
47) Tetrachloroethene	10.87	164	107663	25.701	ug/L	95
49) 2-Hexanone	10.97	43	90762	43.821	ug/L	99
50) Dibromochloromethane	11.13	129	105217	22.239	ug/L	98
51) 1,2-Dibromoethane	11.24	107	80676	21.184	ug/L	99
52) Chlorobenzene	11.66	112	349771	24.098	ug/L	98
53) Ethylbenzene	11.73	91	638956	25.672	ug/L	99
54) m,p-Xylene	11.84	106	241487	25.793	ug/L	96
55) o-xylene	12.16	106	219396	24.878	ug/L	97
56) Styrene	12.18	104	386108	25.288	ug/L	99
57) Isopropylbenzene	12.46	105	617317	25.963	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	98781	21.075	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	72697	20.473	ug/L	99
62) Bromoform	12.35	173	50949	20.693	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	250612	24.370	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	247397	23.615	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	220637	23.401	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	16235	19.636	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	158401	24.411	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	116595	22.170	ug/L	98
69) Naphthalene	15.37	128	228107	20.548	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	105097	21.996	ug/L	98

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

