

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111520\
 Data File : VW017244.D
 Acq On : 15 Nov 2020 17:36
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:52:46 PM

Quant Time: Nov 16 13:00:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 11:48:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	403451	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	371330	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194334	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	95083	18.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.84%
7) Chloroethane-d5	2.89	69	89759	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.68%
10) 1,1-Dichloroethene-d2	4.03	63	200700	22.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.32%
20) 2-Butanone-d5	7.08	46	52731	46.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.80%
24) Chloroform-d	7.65	84	246503	26.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.68%
26) 1,2-Dichloroethane-d4	8.31	65	119950	25.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.48%
29) Benzene-d6	8.28	84	445399	23.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.20%
33) 1,2-Dichloropropane-d6	9.27	67	125827	24.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.24%
37) Toluene-d8	10.32	98	423942	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
38) trans-1,3-Dichloropropene-	10.58	79	55559	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.24%
39) 2-Hexanone-d5	10.93	63	44184	48.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109246	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	171405	25.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	85130	21.031	ug/L 98
3) Chloromethane	2.21	50	71352	19.422	ug/L 98
5) Vinyl chloride	2.37	62	119611	22.199	ug/L 98
6) Bromomethane	2.78	94	98236	26.363	ug/L 98
8) Chloroethane	2.93	64	79976	24.600	ug/L 97
9) Trichlorofluoromethane	3.26	101	113696	25.944	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	127364	24.457	ug/L 97
12) 1,1-Dichloroethene	4.05	96	119715	23.908	ug/L 87
13) Acetone	4.13	43	31615	41.549	ug/L 94
14) Carbon disulfide	4.39	76	272972	20.031	ug/L 99
15) Methyl Acetate	4.68	43	38725m	20.533	ug/L
16) Methylene chloride	4.92	84	124884	22.959	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	164726	26.940	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	125840	24.278	ug/L 99
19) 1,1-Dichloroethane	6.22	63	208925	25.441	ug/L 98
21) 2-Butanone	7.18	43	50447	41.290	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	140525	25.641	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	67051	25.411	ug/L	93
25) Chloroform	7.68	83	238494	26.675	ug/L	99
27) 1,2-Dichloroethane	8.40	62	140532	26.229	ug/L	95
30) Cyclohexane	7.96	56	156867	22.437	ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	212637	27.963	ug/L	99
32) Carbon tetrachloride	8.07	117	201905	27.516	ug/L	97
34) Benzene	8.33	78	480636	24.650	ug/L	100
35) Trichloroethene	9.09	95	136077	24.913	ug/L	95
36) Methylcyclohexane	9.34	83	203252	23.126	ug/L	97
40) 1,2-Dichloropropane	9.37	63	112708	24.727	ug/L	98
41) Bromodichloromethane	9.65	83	168979	26.805	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	186950	25.895	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	119594	42.528	ug/L	97
44) Toluene	10.39	91	558533	26.024	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	161889	26.111	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	96360	24.520	ug/L	97
47) Tetrachloroethene	10.87	164	120862	24.526	ug/L	95
49) 2-Hexanone	10.97	43	80683	47.591	ug/L	95
50) Dibromochloromethane	11.13	129	128954	26.934	ug/L	98
51) 1,2-Dibromoethane	11.24	107	93757	24.558	ug/L	97
52) Chlorobenzene	11.66	112	385316	26.544	ug/L	99
53) Ethylbenzene	11.73	91	635265	26.499	ug/L	100
54) m,p-Xylene	11.84	106	247068	26.347	ug/L	100
55) o-xylene	12.17	106	243223	27.326	ug/L	100
56) Styrene	12.18	104	410329	27.457	ug/L	97
57) Isopropylbenzene	12.47	105	669684	27.723	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	106128	23.377	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	74202	22.739	ug/L	99
62) Bromoform	12.35	173	74916	25.114	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	325274	26.907	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	315904	26.010	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	284678	26.113	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16482	22.867	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	225540	25.318	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	200182	28.159	ug/L	99
69) Naphthalene	15.37	128	347628	26.572	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	178605	27.497	ug/L	100

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

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