

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011521\
 Data File : VW017893.D
 Acq On : 15 Jan 2021 12:37
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02521

Manual Integrations
 APPROVED

apatel
 1/18/2021 8:50:49 AM

Quant Time: Jan 18 02:05:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 18 01:59:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	315000	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290533	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	143968	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	112243	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.12%
7) Chloroethane-d5	2.89	69	103909	25.83	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.32%
10) 1,1-Dichloroethene-d2	4.02	63	214106	25.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.84%
20) 2-Butanone-d5	7.07	46	44750m	56.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.30%
24) Chloroform-d	7.65	84	229766	27.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.64%
26) 1,2-Dichloroethane-d4	8.31	65	118713	27.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.44%
29) Benzene-d6	8.27	84	427640	26.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.52%
33) 1,2-Dichloropropane-d6	9.27	67	121604	26.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.84%
37) Toluene-d8	10.32	98	402545	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.44%
38) trans-1,3-Dichloropropene-	10.58	79	49158	24.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.80%
39) 2-Hexanone-d5	10.93	63	30503	53.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94974	28.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	127974	25.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	67053	19.280	ug/L 99
3) Chloromethane	2.21	50	73672	23.832	ug/L 97
5) Vinyl chloride	2.37	62	127984	24.472	ug/L 98
6) Bromomethane	2.78	94	95671	24.670	ug/L 100
8) Chloroethane	2.92	64	85323	26.022	ug/L 99
9) Trichlorofluoromethane	3.26	101	97167	22.646	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	104487	26.092	ug/L # 72
12) 1,1-Dichloroethene	4.04	96	96277	24.800	ug/L 92
13) Acetone	4.13	43	28851	42.295	ug/L 93
14) Carbon disulfide	4.39	76	256683	22.143	ug/L 99
15) Methyl Acetate	4.67	43	35148	26.585	ug/L 95
16) Methylene chloride	4.91	84	104862	23.279	ug/L 88
17) Methyl tert-butyl Ether	5.42	73	118587	24.103	ug/L 96
18) trans-1,2-Dichloroethene	5.42	96	103727	24.772	ug/L 95
19) 1,1-Dichloroethane	6.21	63	194376	27.170	ug/L 100
21) 2-Butanone	7.17	43	46707	50.905	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	109745	24.942	ug/L 92

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

23) Bromochloromethane	7.51	128	46937	25.182	ug/L #	80
25) Chloroform	7.67	83	204019	27.103	ug/L	98
27) 1,2-Dichloroethane	8.40	62	133123	27.339	ug/L #	94
30) Cyclohexane	7.95	56	171024	24.731	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	167607	25.079	ug/L	95
32) Carbon tetrachloride	8.07	117	160287	25.422	ug/L	97
34) Benzene	8.32	78	433937	26.122	ug/L	100
35) Trichloroethene	9.09	95	118231	25.713	ug/L	92
36) Methylcyclohexane	9.34	83	201560	25.076	ug/L	97
40) 1,2-Dichloropropane	9.37	63	104984	26.771	ug/L	98
41) Bromodichloromethane	9.64	83	143243	26.684	ug/L #	99
42) cis-1,3-Dichloropropene	10.07	75	162457	25.960	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	99798	52.381	ug/L	95
44) Toluene	10.38	91	485669	25.639	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	135952	25.512	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	73887	25.348	ug/L	98
47) Tetrachloroethene	10.86	164	88867	24.720	ug/L	96
49) 2-Hexanone	10.97	43	66163	48.946	ug/L	93
50) Dibromochloromethane	11.13	129	86944	25.124	ug/L	98
51) 1,2-Dibromoethane	11.23	107	69487	25.180	ug/L #	99
52) Chlorobenzene	11.65	112	300098	25.378	ug/L	95
53) Ethylbenzene	11.73	91	562697	26.181	ug/L	100
54) m,p-Xylene	11.84	106	209796	24.953	ug/L	97
55) o-xylene	12.16	106	195457	24.720	ug/L	96
56) Styrene	12.18	104	337141	25.634	ug/L	94
57) Isopropylbenzene	12.46	105	568499	25.970	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	85807	26.374	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	62684	26.210	ug/L	98
62) Bromoform	12.35	173	42221	23.968	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	227027	25.549	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	219068	24.532	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	196660	25.187	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	12609	24.519	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.63	180	161933	26.582	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	126126	25.154	ug/L	94
69) Naphthalene	15.36	128	223154	23.370	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	101620	24.000	ug/L	93

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

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