

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV122220\
 Data File : VV019788.D
 Acq On : 22 Dec 2020 09:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Manual Integrations
 APPROVED

MMDadoda
 12/24/2020 2:35:14 PM

Quant Time: Dec 23 01:03:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 22 00:24:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	726805	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	690628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	338702	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	195038	37.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.84%
7) Chloroethane-d5	1.57	69	169427	41.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.44%
11) 1,1-Dichloroethene-d2	2.11	63	412722	42.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.34%
21) 2-Butanone-d5	3.88	46	344630	121.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.66%
24) Chloroform-d	4.35	84	430557	45.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.68%
26) 1,2-Dichloroethane-d4	5.03	65	286220	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
32) Benzene-d6	5.05	84	806196	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
36) 1,2-Dichloropropane-d6	6.07	67	266523	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.38%
41) Toluene-d8	7.32	98	720075	43.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.84%
43) trans-1,3-Dichloropropene-	7.62	79	132492	40.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.74%
47) 2-Hexanone-d5	8.09	63	233730	103.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.21%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	363425	46.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.14%
64) 1,2-Dichlorobenzene-d4	11.63	152	276741	43.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	258451	44.063	ug/L 99
3) Chloromethane	1.24	50	281732	45.189	ug/L 99
5) Vinyl chloride	1.31	62	282782	45.219	ug/L 100
6) Bromomethane	1.52	94	168724	44.927	ug/L 99
8) Chloroethane	1.59	64	174023	46.135	ug/L 100
9) Trichlorofluoromethane	1.75	101	361751	47.347	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	211418	50.106	ug/L 97
12) 1,1-Dichloroethene	2.12	96	194721m	44.971	ug/L
13) Acetone	2.18	43	274930	113.924	ug/L 98
14) Carbon disulfide	2.30	76	575275	40.435	ug/L 99
15) Methyl Acetate	2.43	43	269235	51.206	ug/L 99
16) Methylene chloride	2.51	84	240246	47.324	ug/L 98
17) trans-1,2-Dichloroethene	2.76	96	214708	45.241	ug/L 98
18) Methyl tert-butyl Ether	2.77	73	751186	45.298	ug/L 99
19) 1,1-Dichloroethane	3.19	63	441132	47.945	ug/L 99
20) cis-1,2-Dichloroethene	3.91	96	238885	45.789	ug/L # 94
22) 2-Butanone	3.97	43	388022	109.613	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	117483	45.768	ug/L	94
25) Chloroform	4.38	83	435421	47.384	ug/L	100
27) 1,2-Dichloroethane	5.13	62	355925	46.754	ug/L	99
29) Cyclohexane	4.68	56	386602	45.674	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	387734	44.775	ug/L	99
31) Carbon tetrachloride	4.83	117	321922	44.037	ug/L	99
33) Benzene	5.10	78	932225	46.186	ug/L	100
34) Trichloroethene	5.92	95	244211	45.802	ug/L	99
35) Methylcyclohexane	6.13	83	388948	48.018	ug/L	99
37) 1,2-Dichloropropane	6.17	63	254765	48.333	ug/L	100
38) Bromodichloromethane	6.51	83	333673	45.270	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	389262	44.464	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	735941	96.775	ug/L	98
42) Toluene	7.39	91	967216	45.466	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	386455	43.596	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	228906	45.731	ug/L	97
46) Tetrachloroethene	7.98	164	164377	44.554	ug/L	98
48) 2-Hexanone	8.14	43	577780	100.131	ug/L	96
49) Dibromochloromethane	8.25	129	242141	44.172	ug/L	100
50) 1,2-Dibromoethane	8.35	107	238343	45.217	ug/L	100
51) Chlorobenzene	8.88	112	623698	45.904	ug/L	99
52) Ethylbenzene	9.02	91	1114699	45.990	ug/L	100
53) m,p-Xylene	9.14	106	405326	44.763	ug/L	100
54) o-xylene	9.55	106	397949	44.837	ug/L	99
55) Styrene	9.56	104	706502	45.672	ug/L	100
56) Isopropylbenzene	9.94	105	1088956	46.054	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	368572	45.788	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	309723	47.240	ug/L	100
61) Bromoform	9.74	173	156248	41.692	ug/L	100
62) 1,3-Dichlorobenzene	11.19	146	475580	45.765	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	482215	45.826	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	477549	46.507	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.44	75	92325	43.073	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	355298	48.392	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	326481	47.558	ug/L	99
69) Naphthalene	13.51	128	1040021	43.631	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	312120	46.525	ug/L	99

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

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