

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019207.D
 Acq On : 02 Nov 2020 18:11
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:44:34 AM

Quant Time: Nov 03 04:45:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 04:30:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	224860	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	217461	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	114104	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8240	8.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	17.22%#
7) Chloroethane-d5	1.58	69	6688	9.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	18.18%#
11) 1,1-Dichloroethene-d2	2.13	63	14844	8.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	16.80%#
21) 2-Butanone-d5	3.94	46	5935	7.54	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	7.54%#
24) Chloroform-d	4.38	84	14916	5.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	11.32%#
26) 1,2-Dichloroethane-d4	5.06	65	10848	6.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	12.68%#
32) Benzene-d6	5.08	84	27701	5.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	10.62%#
36) 1,2-Dichloropropane-d6	6.10	67	8409	5.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	10.66%#
41) Toluene-d8	7.34	98	24665	4.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	9.94%#
43) trans-1,3-Dichloropropene-	7.65	79	4181	4.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	9.44%#
47) 2-Hexanone-d5	8.12	63	4704	7.58	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	7.58%#
56) 1,1,2,2-Tetrachloroethane-	10.24	84	10643	4.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	9.82%#
66) 1,2-Dichlorobenzene-d4	11.65	152	10942	5.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	10.80%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	6080	3.917	ug/L 99
3) Chloromethane	1.25	50	6357	4.775	ug/L 95
5) Vinyl chloride	1.32	62	6358	5.720	ug/L 99
6) Bromomethane	1.53	94	4322	6.691	ug/L 98
8) Chloroethane	1.60	64	4258	7.028	ug/L 98
9) Trichlorofluoromethane	1.77	101	10838	5.488	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4915	5.700	ug/L 99
12) 1,1-Dichloroethene	2.14	96	5388	6.578	ug/L 92
13) Acetone	2.19	43	6816	10.369	ug/L 99
14) Carbon disulfide	2.31	76	15475	4.640	ug/L 97
15) Methyl Acetate	2.46	43	5801	4.664	ug/L 97
16) Methylene chloride	2.52	84	6500	4.431	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	5744	4.288	ug/L 95
18) Methyl tert-butyl Ether	2.78	73	18853	4.163	ug/L 98
19) 1,1-Dichloroethane	3.22	63	11667	4.792	ug/L 96
20) cis-1,2-Dichloroethene	3.95	96	6057	3.878	ug/L 95
22) 2-Butanone	4.03	43	7076m	7.388	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	3302	4.182	ug/L	83
25) Chloroform	4.41	83	11960	4.361	ug/L	93
27) 1,2-Dichloroethane	5.16	62	9815	4.660	ug/L	98
29) Cyclohexane	4.70	56	6965	3.322	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	11047	4.469	ug/L	97
31) Carbon tetrachloride	4.86	117	9330	4.250	ug/L	92
33) Benzene	5.13	78	22612	3.998	ug/L	100
34) Trichloroethene	5.95	95	6761	4.379	ug/L	96
35) Methylcyclohexane	6.16	83	6698	2.878	ug/L	96
37) 1,2-Dichloropropane	6.20	63	6263	4.496	ug/L	97
38) Bromodichloromethane	6.54	83	8388	3.893	ug/L	93
39) cis-1,3-Dichloropropene	7.05	75	8961	3.691	ug/L	94
40) 4-Methyl-2-pentanone	7.25	43	14239	7.948	ug/L	99
42) Toluene	7.41	91	23469	3.778	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	8623	3.726	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	6009	4.066	ug/L	99
46) Tetrachloroethene	8.00	164	5253	4.229	ug/L	97
48) 2-Hexanone	8.16	43	10763	7.773	ug/L	94
49) Dibromochloromethane	8.27	129	6811	3.815	ug/L	90
50) 1,2-Dibromoethane	8.38	107	6035	3.737	ug/L	100
51) Chlorobenzene	8.90	112	16812	4.025	ug/L	97
52) Ethylbenzene	9.03	91	25555	3.598	ug/L	96
53) m,p-Xylene	9.16	106	9360	3.413	ug/L	97
54) o-Xylene	9.56	106	9205	3.484	ug/L	100
55) Styrene	9.58	104	15629	3.443	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.26	83	9115	3.915	ug/L	98
59) Bromoform	9.76	173	5117	3.931	ug/L	95
60) Isopropylbenzene	9.95	105	23635	3.328	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	7999	4.229	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	18634	3.074	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	18229	3.080	ug/L	99
64) 1,3-Dichlorobenzene	11.21	146	12845	3.717	ug/L	99
65) 1,4-Dichlorobenzene	11.30	146	13378	3.763	ug/L	95
67) 1,2-Dichlorobenzene	11.67	146	14002	4.092	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.45	75	2040	3.577	ug/L	92
69) 1,3,5-Trichlorobenzene	12.67	180	9600	3.854	ug/L	96
70) 1,2,4-trichlorobenzene	13.29	180	8243	3.639	ug/L	94
71) Naphthalene	13.53	128	17975	2.628	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	7750	3.481	ug/L	96

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

