

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019206.D
 Acq On : 02 Nov 2020 17:47
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005302

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:44:25 AM

Quant Time: Nov 03 04:43:44 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	225348	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	221968	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	115275	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8960	9.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	18.68%#
7) Chloroethane-d5	1.58	69	7093	9.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	19.24%#
11) 1,1-Dichloroethene-d2	2.13	63	16867	9.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	19.04%#
21) 2-Butanone-d5	3.94	46	9520m	12.07	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	12.07%#
24) Chloroform-d	4.38	84	16657	6.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	12.60%#
26) 1,2-Dichloroethane-d4	5.06	65	11903	6.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	13.90%#
32) Benzene-d6	5.08	84	31271	5.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	11.74%#
36) 1,2-Dichloropropane-d6	6.10	67	9474	5.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	11.76%#
41) Toluene-d8	7.34	98	27808	5.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	10.98%#
43) trans-1,3-Dichloropropene-	7.65	79	4781	5.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	10.56%#
47) 2-Hexanone-d5	8.12	63	4920	7.76	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	7.76%#
56) 1,1,2,2-Tetrachloroethane-	10.24	84	11930	5.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	10.78%#
66) 1,2-Dichlorobenzene-d4	11.65	152	12196	5.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	11.92%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	6852	4.405	ug/L 100
3) Chloromethane	1.25	50	6879	5.155	ug/L 99
5) Vinyl chloride	1.32	62	7068	6.345	ug/L 98
6) Bromomethane	1.53	94	4930	7.615	ug/L 95
8) Chloroethane	1.60	64	4672	7.695	ug/L 95
9) Trichlorofluoromethane	1.77	101	11716	5.920	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6040	6.989	ug/L 98
12) 1,1-Dichloroethene	2.14	96	5529	6.736	ug/L 82
13) Acetone	2.19	43	7827	11.881	ug/L 92
14) Carbon disulfide	2.31	76	16476	4.930	ug/L 99
15) Methyl Acetate	2.45	43	6224	4.994	ug/L 98
16) Methylene chloride	2.52	84	6875	4.676	ug/L 95
17) trans-1,2-Dichloroethene	2.78	96	5886	4.384	ug/L 91
18) Methyl tert-butyl Ether	2.78	73	20880	4.601	ug/L 99
19) 1,1-Dichloroethane	3.22	63	11828	4.847	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	6501m	4.153	ug/L
22) 2-Butanone	4.02	43	6044	6.296	ug/L 96

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

23) Bromochloromethane	4.29	128	3505	4.430	ug/L	93
25) Chloroform	4.41	83	12468	4.536	ug/L	100
27) 1,2-Dichloroethane	5.16	62	10851	5.141	ug/L	98
29) Cyclohexane	4.71	56	8243	3.851	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	11591	4.594	ug/L #	85
31) Carbon tetrachloride	4.85	117	10070	4.493	ug/L	99
33) Benzene	5.13	78	24758	4.288	ug/L	100
34) Trichloroethene	5.94	95	7138	4.529	ug/L	95
35) Methylcyclohexane	6.16	83	8130	3.422	ug/L	95
37) 1,2-Dichloropropane	6.20	63	7166	5.040	ug/L #	93
38) Bromodichloromethane	6.54	83	9585	4.358	ug/L #	95
39) cis-1,3-Dichloropropene	7.05	75	9501	3.834	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	16020	8.761	ug/L	97
42) Toluene	7.41	91	25499	4.021	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	9924	4.201	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	6643	4.403	ug/L	97
46) Tetrachloroethene	8.00	164	5693	4.490	ug/L	90
48) 2-Hexanone	8.16	43	10902	7.714	ug/L	99
49) Dibromochloromethane	8.27	129	7189	3.945	ug/L	97
50) 1,2-Dibromoethane	8.38	107	6514	3.952	ug/L	94
51) Chlorobenzene	8.90	112	18629	4.369	ug/L	98
52) Ethylbenzene	9.04	91	27828	3.839	ug/L	100
53) m,p-Xylene	9.16	106	10459	3.736	ug/L	95
54) o-Xylene	9.56	106	9611	3.563	ug/L	99
55) Styrene	9.59	104	16389	3.537	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.26	83	9822	4.133	ug/L	96
59) Bromoform	9.75	173	5743	4.368	ug/L	96
60) Isopropylbenzene	9.95	105	26003	3.624	ug/L	100
61) 1,2,3-Trichloropropane	10.30	75	8398	4.395	ug/L	95
62) 1,3,5-Trimethylbenzene	10.56	105	19921	3.253	ug/L	96
63) 1,2,4-Trimethylbenzene	10.94	105	19706	3.296	ug/L	99
64) 1,3-Dichlorobenzene	11.21	146	14283	4.091	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	15509	4.318	ug/L	96
67) 1,2-Dichlorobenzene	11.67	146	14997	4.338	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.45	75	2354	4.086	ug/L	96
69) 1,3,5-Trichlorobenzene	12.67	180	9997	3.973	ug/L	96
70) 1,2,4-trichlorobenzene	13.29	180	8737	3.817	ug/L	96
71) Naphthalene	13.53	128	19275	2.789	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	8538	3.796	ug/L	96

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

