

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019209.D
 Acq On : 02 Nov 2020 18:58
 Operator : SY/MD
 Sample : VSTD05062
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050304

Quant Time: Nov 03 04:32:19 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	237916	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	229426	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	125960	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92227	91.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	182.08%#
7) Chloroethane-d5	1.58	69	73084	93.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	187.78%#
11) 1,1-Dichloroethene-d2	2.13	63	171197	91.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	183.10%#
21) 2-Butanone-d5	3.91	46	109891	131.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.94%#
24) Chloroform-d	4.37	84	172077	61.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	123.38%
26) 1,2-Dichloroethane-d4	5.06	65	119291	65.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	131.86%#
32) Benzene-d6	5.07	84	319697	58.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.10%
36) 1,2-Dichloropropane-d6	6.09	67	95625	57.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.88%
41) Toluene-d8	7.33	98	303827	58.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.04%
43) trans-1,3-Dichloropropene-	7.64	79	54297	58.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.12%
47) 2-Hexanone-d5	8.10	63	79463	121.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.32%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	128447	56.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.22%
66) 1,2-Dichlorobenzene-d4	11.65	152	127053	56.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	75476	45.960	ug/L 100
3) Chloromethane	1.25	50	78464	55.698	ug/L 100
5) Vinyl chloride	1.32	62	80227	68.221	ug/L 100
6) Bromomethane	1.53	94	54955	80.404	ug/L 100
8) Chloroethane	1.60	64	52506	81.907	ug/L 100
9) Trichlorofluoromethane	1.77	101	135190	64.697	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	66426	72.805	ug/L 100
12) 1,1-Dichloroethene	2.14	96	64875	74.860	ug/L 100
13) Acetone	2.19	43	81316	116.917	ug/L 100
14) Carbon disulfide	2.31	76	186462	52.844	ug/L 100
15) Methyl Acetate	2.45	43	77707	59.053	ug/L 100
16) Methylene chloride	2.52	84	78297	50.445	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	71118	50.177	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	256617	53.559	ug/L 100
19) 1,1-Dichloroethane	3.21	63	139727	54.237	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	78430	47.455	ug/L 100
22) 2-Butanone	3.99	43	107030	105.610	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	44485	53.255	ug/L	100
25) Chloroform	4.40	83	151530	52.221	ug/L	100
27) 1,2-Dichloroethane	5.15	62	128377	57.605	ug/L	100
29) Cyclohexane	4.70	56	108143	48.884	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	136079	52.179	ug/L	100
31) Carbon tetrachloride	4.86	117	119599	51.632	ug/L	100
33) Benzene	5.13	78	298748	50.066	ug/L	100
34) Trichloroethene	5.94	95	80525	49.435	ug/L	100
35) Methylcyclohexane	6.15	83	105071	42.789	ug/L	100
37) 1,2-Dichloropropane	6.20	63	78372	53.331	ug/L	100
38) Bromodichloromethane	6.53	83	115653	50.878	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	131267	51.255	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	225461	119.291	ug/L	100
42) Toluene	7.41	91	323991	49.435	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	133196	54.546	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	78572	50.388	ug/L	100
46) Tetrachloroethene	7.99	164	64831	49.472	ug/L	100
48) 2-Hexanone	8.15	43	169154	115.791	ug/L	100
49) Dibromochloromethane	8.26	129	93844	49.825	ug/L	100
50) 1,2-Dibromoethane	8.37	107	82923	48.674	ug/L	100
51) Chlorobenzene	8.90	112	210480	47.762	ug/L	100
52) Ethylbenzene	9.03	91	359518	47.980	ug/L	100
53) m,p-Xylene	9.16	106	136091	47.032	ug/L	100
54) o-Xylene	9.56	106	133996	48.066	ug/L	100
55) Styrene	9.58	104	241724	50.468	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.26	83	118226	48.131	ug/L	100
59) Bromoform	9.75	173	73242	50.976	ug/L	100
60) Isopropylbenzene	9.95	105	353581	45.103	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	101501	48.616	ug/L	100
62) 1,3,5-Trimethylbenzene	10.56	105	299798	44.801	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	293574	44.931	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	180406	47.293	ug/L	100
65) 1,4-Dichlorobenzene	11.29	146	186549	47.528	ug/L	100
67) 1,2-Dichlorobenzene	11.66	146	183293	48.519	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.45	75	30314	48.150	ug/L	100
69) 1,3,5-Trichlorobenzene	12.67	180	128735	46.820	ug/L	100
70) 1,2,4-trichlorobenzene	13.28	180	123454	49.365	ug/L	100
71) Naphthalene	13.52	128	367224	48.633	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	124135	50.505	ug/L	100

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

