

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031320\
 Data File : VV014895.D
 Acq On : 13 Mar 2020 10:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD05089

Manual Integrations
 APPROVED

apatel
 3/16/2020 12:28:14 PM

Quant Time: Mar 13 11:41:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 04:10:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	384817	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	377421	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	209877	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	105860	40.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.30%
7) Chloroethane-d5	1.58	69	83144	40.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.76%
11) 1,1-Dichloroethene-d2	2.12	63	179080	41.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.76%
21) 2-Butanone-d5	3.93	46	158308	81.51	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.51%
24) Chloroform-d	4.38	84	244471	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
26) 1,2-Dichloroethane-d4	5.06	65	161122	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
32) Benzene-d6	5.08	84	483732	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.08%
36) 1,2-Dichloropropane-d6	6.10	67	145572	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.14%
41) Toluene-d8	7.34	98	470592	48.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.44%
43) trans-1,3-Dichloropropene-	7.64	79	75396	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.50%
47) 2-Hexanone-d5	8.12	63	151993	103.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.64%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	223301	49.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	207378	49.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	181060	47.607 ug/L	99
3) Chloromethane	1.25	50	128444	38.344 ug/L	99
5) Vinyl chloride	1.32	62	122812	39.563 ug/L	99
6) Bromomethane	1.53	94	94894	49.255 ug/L	96
8) Chloroethane	1.60	64	66019	39.565 ug/L	96
9) Trichlorofluoromethane	1.76	101	199876	48.154 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98679	46.181 ug/L	96
12) 1,1-Dichloroethene	2.13	96	92944	44.461 ug/L	91
13) Acetone	2.21	43	135497m	83.557 ug/L	
14) Carbon disulfide	2.31	76	290998	42.104 ug/L	99
15) Methyl Acetate	2.46	43	113216	37.162 ug/L #	89
16) Methylene chloride	2.52	84	131541	46.332 ug/L	92
17) trans-1,2-Dichloroethene	2.78	96	123858	47.961 ug/L	94
18) Methyl tert-butyl Ether	2.79	73	409726	48.461 ug/L	96
19) 1,1-Dichloroethane	3.21	63	228150	45.231 ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	140908	48.785 ug/L	97
22) 2-Butanone	4.01	43	179842	84.071 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	74601	50.733	ug/L	87
25) Chloroform	4.41	83	247698	47.401	ug/L	100
27) 1,2-Dichloroethane	5.16	62	188882	46.638	ug/L	96
29) Cyclohexane	4.70	56	203046	44.154	ug/L	89
30) 1,1,1-Trichloroethane	4.64	97	221730	50.672	ug/L	98
31) Carbon tetrachloride	4.86	117	198425	53.394	ug/L	99
33) Benzene	5.13	78	518828	47.451	ug/L	100
34) Trichloroethene	5.94	95	137626	48.164	ug/L	91
35) Methylcyclohexane	6.15	83	231581	49.097	ug/L	93
37) 1,2-Dichloropropane	6.20	63	129923	43.971	ug/L #	97
38) Bromodichloromethane	6.53	83	185872	49.453	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	219363	47.366	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	376632	87.961	ug/L #	94
42) Toluene	7.41	91	589329	48.855	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	197606	46.805	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	136482	50.155	ug/L	95
46) Tetrachloroethene	8.00	164	125975	53.884	ug/L	98
48) 2-Hexanone	8.17	43	300669	89.283	ug/L #	93
49) Dibromochloromethane	8.27	129	148610	50.105	ug/L	99
50) 1,2-Dibromoethane	8.38	107	148035	50.327	ug/L #	99
51) Chlorobenzene	8.90	112	392514	50.573	ug/L	97
52) Ethylbenzene	9.04	91	669157	49.240	ug/L	98
53) m,p-Xylene	9.16	106	265121	51.985	ug/L	95
54) o-xylene	9.57	106	260311	51.961	ug/L	95
55) Styrene	9.58	104	436265	50.926	ug/L	99
56) Isopropylbenzene	9.95	105	686332	51.152	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	227274	48.490	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	182181	48.280	ug/L	99
61) Bromoform	9.75	173	102926	45.204	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	334738	49.321	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	339029	49.582	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	338012	50.025	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	52519	45.797	ug/L	88
67) 1,3,5-Trichlorobenzene	12.67	180	265711	50.622	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	243700	50.513	ug/L	98
69) Naphthalene	13.52	128	355024	48.882	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	251194	52.236	ug/L	99

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

