

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016671.D
 Acq On : 08 Jun 2020 19:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Manual Integrations
 APPROVED

MMDadoda
 6/10/2020 11:38:41 AM

Quant Time: Jun 09 03:27:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 01:02:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	381399	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	360499	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	182604	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	129323	48.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.10%
7) Chloroethane-d5	1.56	69	84471	52.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.62%
11) 1,1-Dichloroethene-d2	2.12	63	218816	48.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.84%
21) 2-Butanone-d5	3.90	46	208002	104.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.43%
24) Chloroform-d	4.37	84	272125	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
26) 1,2-Dichloroethane-d4	5.05	65	184929	49.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.36%
32) Benzene-d6	5.07	84	514836	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
36) 1,2-Dichloropropane-d6	6.09	67	161367	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.64%
41) Toluene-d8	7.34	98	472831	49.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.16%
43) trans-1,3-Dichloropropene-	7.64	79	80825	47.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.82%
47) 2-Hexanone-d5	8.11	63	151244	107.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.09%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	218583	50.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	194131	49.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	145692	48.182	ug/L	99
3) Chloromethane	1.25	50	136070	49.207	ug/L	98
5) Vinyl chloride	1.32	62	133562	49.116	ug/L	98
6) Bromomethane	1.51	94	48807	43.095	ug/L	96
8) Chloroethane	1.58	64	68759	51.189	ug/L	98
9) Trichlorofluoromethane	1.76	101	194342	47.757	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96362	47.521	ug/L	99
12) 1,1-Dichloroethene	2.13	96	89639	47.354	ug/L	96
13) Acetone	2.17	43	104438	79.578	ug/L	98
14) Carbon disulfide	2.31	76	325491	47.491	ug/L	100
15) Methyl Acetate	2.44	43	145273	49.663	ug/L	99
16) Methylene chloride	2.52	84	136046	48.977	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	123907	48.007	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	423213	49.486	ug/L	99
19) 1,1-Dichloroethane	3.21	63	237717	48.930	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	140397m	49.896	ug/L	
22) 2-Butanone	3.98	43	201652	99.639	ug/L	98

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23) Bromochloromethane	4.27	128	71710	48.379	ug/L	94
25) Chloroform	4.40	83	247216	49.514	ug/L	97
27) 1,2-Dichloroethane	5.15	62	208984	49.931	ug/L	98
29) Cyclohexane	4.70	56	215291	48.058	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	224646	48.864	ug/L	100
31) Carbon tetrachloride	4.85	117	195070	49.047	ug/L	99
33) Benzene	5.12	78	517207	48.491	ug/L	100
34) Trichloroethene	5.94	95	138387	48.377	ug/L	98
35) Methylcyclohexane	6.15	83	213431	47.559	ug/L	98
37) 1,2-Dichloropropane	6.20	63	135924	49.003	ug/L	100
38) Bromodichloromethane	6.53	83	177679	48.119	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	206115	47.837	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	403785	102.730	ug/L	99
42) Toluene	7.41	91	557764	49.605	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	205954	49.167	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	132327	49.447	ug/L	97
46) Tetrachloroethene	8.00	164	106259	47.230	ug/L	99
48) 2-Hexanone	8.16	43	310986	102.043	ug/L	99
49) Dibromochloromethane	8.27	129	140205	49.000	ug/L	98
50) 1,2-Dibromoethane	8.37	107	138599	49.457	ug/L	99
51) Chlorobenzene	8.90	112	355814	48.503	ug/L	100
52) Ethylbenzene	9.03	91	621756	49.923	ug/L	100
53) m,p-Xylene	9.16	106	233313	50.314	ug/L	99
54) o-xylene	9.57	106	229264	50.130	ug/L	95
55) Styrene	9.58	104	392519	50.764	ug/L	99
56) Isopropylbenzene	9.95	105	617520	50.251	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	204429	49.823	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	171581	49.856	ug/L	99
61) Bromoform	9.75	173	95327	50.753	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	285067	49.288	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	287133	48.793	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	291464	50.286	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	47232	51.825	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	210197	48.738	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	196265	49.614	ug/L	99
69) Naphthalene	13.53	128	605940	53.250	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	193854	50.083	ug/L	99

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

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