

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030620\
 Data File : VV014761.D
 Acq On : 06 Mar 2020 17:01
 Operator : SY/MD
 Sample : VSTD01063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01063

Manual Integrations
 APPROVED

apatel
 3/9/2020 1:08:57 PM

Quant Time: Mar 06 23:53:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 06 22:37:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	459010	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	447340	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	228602	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29236	14.02	ug/L	0.00
7) Chloroethane-d5	1.58	69	23728	15.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	50116	13.43	ug/L	0.00
21) 2-Butanone-d5	3.96	46	43785m	24.15	ug/L	0.02
24) Chloroform-d	4.38	84	53434	9.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	39338	10.34	ug/L	0.00
32) Benzene-d6	5.08	84	115070	9.70	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	39095	11.02	ug/L	0.00
41) Toluene-d8	7.34	98	111201	9.69	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	17623	9.04	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	32788	22.54	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	51839	10.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	45353	10.10	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	43733	12.463	ug/L	100
3) Chloromethane	1.25	50	38880	17.753	ug/L	99
5) Vinyl chloride	1.32	62	35078	16.407	ug/L	99
6) Bromomethane	1.53	94	22071	17.354	ug/L	97
8) Chloroethane	1.60	64	19381	16.476	ug/L	98
9) Trichlorofluoromethane	1.77	101	46814	11.676	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	24429	13.966	ug/L	98
12) 1,1-Dichloroethene	2.13	96	24240	14.889	ug/L	95
13) Acetone	2.23	43	37676	23.930	ug/L	71
14) Carbon disulfide	2.31	76	76484	11.322	ug/L	100
15) Methyl Acetate	2.47	43	35289	13.055	ug/L	93
16) Methylene chloride	2.53	84	32589	10.793	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	28570	10.198	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	94720	10.131	ug/L	98
19) 1,1-Dichloroethane	3.22	63	56802	11.018	ug/L	99
20) cis-1,2-Dichloroethene	3.95	96	32497	10.095	ug/L	98
22) 2-Butanone	4.03	43	42943	20.986	ug/L	# 72
23) Bromochloromethane	4.28	128	17112	10.524	ug/L	94
25) Chloroform	4.41	83	62874	10.736	ug/L	99
27) 1,2-Dichloroethane	5.16	62	45853	10.665	ug/L	99
29) Cyclohexane	4.71	56	49958	11.182	ug/L	96
30) 1,1,1-Trichloroethane	4.64	97	50136	9.619	ug/L	98
31) Carbon tetrachloride	4.86	117	41637	9.071	ug/L	98
33) Benzene	5.13	78	123377	10.380	ug/L	100
34) Trichloroethene	5.94	95	32630	9.595	ug/L	97
35) Methylcyclohexane	6.15	83	52061	10.528	ug/L	99
37) 1,2-Dichloropropane	6.20	63	33447	11.275	ug/L	99
38) Bromodichloromethane	6.54	83	42073	9.595	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	50098	9.783	ug/L	96
40) 4-Methyl-2-pentanone	7.26	43	97242	25.500	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	138112	10.723	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	46532	9.972	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	32164	10.533	ug/L	97
46) Tetrachloroethene	8.00	164	26898	10.762	ug/L	96
48) 2-Hexanone	8.17	43	74290	24.723	ug/L	96
49) Dibromochloromethane	8.27	129	32584	9.104	ug/L	95
50) 1,2-Dibromoethane	8.38	107	34228	10.146	ug/L	97
51) Chlorobenzene	8.90	112	88456	10.176	ug/L	99
52) Ethylbenzene	9.04	91	151523	10.280	ug/L	98
53) m,p-Xylene	9.16	106	56316	9.971	ug/L	98
54) o-xylene	9.57	106	55129	9.974	ug/L	97
55) Styrene	9.58	104	93580	10.106	ug/L	99
56) Isopropylbenzene	9.95	105	147222	10.086	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	53518	11.104	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	43574	11.016	ug/L	100
61) Bromoform	9.75	173	23572	9.546	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	71659	10.285	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	72447	10.130	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	71612	10.338	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	11579	9.856	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	54395	10.524	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	49432	10.219	ug/L	99
69) Naphthalene	13.52	128	73480	5.123	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	48909	9.847	ug/L	99

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

