

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015213.D
 Acq On : 27 Mar 2020 19:12
 Operator : SY/MD
 Sample : VSTD01064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Manual Integrations
 APPROVED

apatel
 3/31/2020 9:22:19 AM

Quant Time: Mar 28 00:42:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 00:27:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	583838	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	556098	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	250364	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23940	7.98	ug/L	0.00
7) Chloroethane-d5	1.58	69	25891	8.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	58733	8.45	ug/L	0.00
21) 2-Butanone-d5	3.96	46	54609m	17.56	ug/L	0.02
24) Chloroform-d	4.38	84	61531	9.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	40578	9.01	ug/L	0.00
32) Benzene-d6	5.08	84	103201	9.18	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	38526	9.46	ug/L	0.00
41) Toluene-d8	7.34	98	86284	8.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	19938	9.05	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	42918	17.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	66330	9.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	43251	9.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	44179	8.740	ug/L 98
3) Chloromethane	1.25	50	54192	9.854	ug/L 98
5) Vinyl chloride	1.32	62	55153	9.754	ug/L 98
6) Bromomethane	1.53	94	34841	9.537	ug/L 98
8) Chloroethane	1.60	64	36064	9.800	ug/L 96
9) Trichlorofluoromethane	1.77	101	84382	9.190	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44607	9.367	ug/L 99
12) 1,1-Dichloroethene	2.13	96	43970	9.420	ug/L 93
13) Acetone	2.23	43	35197m	16.426	ug/L
14) Carbon disulfide	2.31	76	112607	9.490	ug/L 99
15) Methyl Acetate	2.46	43	41839	9.515	ug/L 99
16) Methylene chloride	2.52	84	44793	10.269	ug/L 92
17) trans-1,2-Dichloroethene	2.78	96	39669	9.808	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	134141	9.817	ug/L 97
19) 1,1-Dichloroethane	3.21	63	74776	10.018	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	47009	10.336	ug/L # 94
22) 2-Butanone	4.04	43	45191	13.560	ug/L 80
23) Bromochloromethane	4.28	128	22328	10.216	ug/L 94
25) Chloroform	4.41	83	80363	10.408	ug/L 99
27) 1,2-Dichloroethane	5.16	62	59422	9.694	ug/L 97
29) Cyclohexane	4.70	56	62983	9.363	ug/L 98
30) 1,1,1-Trichloroethane	4.64	97	69054	9.895	ug/L 98
31) Carbon tetrachloride	4.86	117	57748	9.832	ug/L 97
33) Benzene	5.13	78	165857	10.095	ug/L 100
34) Trichloroethene	5.94	95	45203	10.573	ug/L 95
35) Methylcyclohexane	6.16	83	64832	9.180	ug/L 97
37) 1,2-Dichloropropane	6.20	63	40003	9.542	ug/L 99
38) Bromodichloromethane	6.53	83	59572	10.000	ug/L 93
39) cis-1,3-Dichloropropene	7.05	75	67956	9.784	ug/L 97
40) 4-Methyl-2-pentanone	7.26	43	123672	19.695	ug/L 99

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

42) Toluene	7.41	91	175838	9.607	ug/L	97
44) trans-1,3-Dichloropropene	7.68	75	64464	9.460	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	41394	10.026	ug/L	98
46) Tetrachloroethene	8.00	164	26278	9.166	ug/L	97
48) 2-Hexanone	8.17	43	92081	18.640	ug/L	96
49) Dibromochloromethane	8.27	129	42100	9.289	ug/L	99
50) 1,2-Dibromoethane	8.38	107	43530	9.735	ug/L	94
51) Chlorobenzene	8.90	112	114570	9.793	ug/L	99
52) Ethylbenzene	9.04	91	196764	9.539	ug/L	99
53) m,p-Xylene	9.16	106	75582	9.616	ug/L	97
54) o-xylene	9.57	106	76577	9.685	ug/L	100
55) Styrene	9.58	104	123907	9.277	ug/L	99
56) Isopropylbenzene	9.95	105	189373	9.332	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.26	83	66843	9.661	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	56734	10.220	ug/L	100
61) Bromoform	9.76	173	26121	9.149	ug/L #	97
62) 1,3-Dichlorobenzene	11.21	146	77752	9.368	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	78578	9.360	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	79716	9.479	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	18031	9.695	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	47016	8.852	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	43712	8.649	ug/L	97
69) Naphthalene	13.53	128	183745	9.103	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	45832	9.070	ug/L	98

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

