

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031671.D
 Acq On : 11 Jul 2023 10:56
 Operator : SY/MD
 Sample : VSTD01040
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010240

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2023
 Supervised By : Mahesh Dadoda 07/12/2023

Quant Time: Jul 12 07:25:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:24:21 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	263438	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	287726	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	169397	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	19021	10.253	ug/L	0.00
7) Chloroethane-d5	1.535	69	15769	9.868	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	7929	8.435	ug/L	0.00
21) 2-Butanone-d5	3.809	46	24846	17.435	ug/L	0.01
24) Chloroform-d	4.256	84	48062	10.725	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	27475	9.933	ug/L	0.00
32) Benzene-d6	4.969	84	78671	9.633	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	27629	9.623	ug/L	0.00
41) Toluene-d8	7.249	98	69397	9.220	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	11927	8.607	ug/L	0.00
47) 2-Hexanone-d5	8.037	63	14282	12.925	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	42206	9.793	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	30747	9.602	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	23640	8.183	ug/L	98
3) Chloromethane	1.217	50	21830	7.981	ug/L	97
5) Vinyl chloride	1.285	62	23883	8.845	ug/L	99
6) Bromomethane	1.490	94	16535	9.540	ug/L	85
8) Chloroethane	1.552	64	14426	8.332	ug/L	97
9) Trichlorofluoromethane	1.716	101	39889	9.008	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	20982	8.718	ug/L	94
12) 1,1-Dichloroethene	2.076	96	17274	8.570	ug/L	85
13) Acetone	2.124	43	24223	17.205	ug/L	95
14) Carbon disulfide	2.246	76	57920	9.415	ug/L	98
15) Methyl Acetate	2.381	43	18442	7.704	ug/L	99
16) Methylene chloride	2.452	84	22202	8.906	ug/L	92
17) trans-1,2-Dichloroethene	2.699	96	17406	8.401	ug/L	88
18) Methyl tert-butyl Ether	2.709	73	46614	6.881	ug/L	98
19) 1,1-Dichloroethane	3.117	63	35665	8.041	ug/L	98
20) cis-1,2-Dichloroethene	3.825	96	20763	9.368	ug/L	92
22) 2-Butanone	3.889	43	31777m	17.831	ug/L	
23) Bromochloromethane	4.159	128	10975	9.023	ug/L	94
25) Chloroform	4.285	83	46933	10.171	ug/L	99
27) 1,2-Dichloroethane	5.050	62	34780	9.834	ug/L	96
29) Cyclohexane	4.587	56	26844	7.198	ug/L #	76
30) 1,1,1-Trichloroethane	4.519	97	42332	9.216	ug/L	98
31) Carbon tetrachloride	4.741	117	39235	9.644	ug/L	99
33) Benzene	5.018	78	83048	8.668	ug/L	100
34) Trichloroethene	5.841	95	24834	9.580	ug/L	91
35) Methylcyclohexane	6.056	83	30127	8.035	ug/L	97
37) 1,2-Dichloropropane	6.101	63	23199	8.296	ug/L	97
38) Bromodichloromethane	6.439	83	34990	9.197	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	31322	7.581	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	48078	14.660	ug/L	97
42) Toluene	7.323	91	82511	8.283	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	33069	8.194	ug/L	96

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45) 1,1,2-Trichloroethane	7.773	97	25762	9.662	ug/L	97
46) Tetrachloroethene	7.911	164	20168	9.970	ug/L	92
48) 2-Hexanone	8.085	43	41251	15.518	ug/L	94
49) Dibromochloromethane	8.182	129	27523	9.265	ug/L	100
50) 1,2-Dibromoethane	8.288	107	26528	9.315	ug/L #	92
51) Chlorobenzene	8.821	112	61916	9.404	ug/L	99
52) Ethylbenzene	8.953	91	85906	7.801	ug/L	99
53) m,p-Xylene	9.079	106	31403	7.718	ug/L	93
54) o-Xylene	9.484	106	27743	7.248	ug/L	100
55) Styrene	9.503	104	49624	7.166	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.185	83	41003	9.547	ug/L #	96
59) Bromoform	9.670	173	20024	9.454	ug/L #	93
60) Isopropylbenzene	9.873	105	79141	7.420	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	33364	9.932	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	61538	7.011	ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	60123	7.225	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	47642	8.804	ug/L	94
65) 1,4-Dichlorobenzene	11.214	146	55088	9.529	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	49599	9.057	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	9345	9.279	ug/L	92
69) 1,3,5-Trichlorobenzene	12.590	180	35456	8.602	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	28790	8.002	ug/L	97
71) Naphthalene	13.445	128	65432	7.072	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	29318	7.846	ug/L	98

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

