

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112023\
 Data File : VW033012.D
 Acq On : 20 Nov 2023 09:31
 Operator : SY/MD
 Sample : VSTD00505
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005205

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/21/2023
 Supervised By :Semsettin Yesilyurt 11/21/2023

Quant Time: Nov 20 23:11:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM112023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 20 23:11:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	320863	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	326058	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	179296	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	8652	5.157	ug/L	0.00
7) Chloroethane-d5	1.532	69	6859	5.316	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	3803	5.540	ug/L	0.00
21) 2-Butanone-d5	3.815	46	9373m	8.902	ug/L	0.03
24) Chloroform-d	4.249	84	20825	5.037	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	12969	5.029	ug/L	0.00
32) Benzene-d6	4.963	84	37812	4.980	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	10932	5.077	ug/L	0.00
41) Toluene-d8	7.246	98	33839	4.668	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	5732	4.560	ug/L	0.00
47) 2-Hexanone-d5	8.034	63	6734m	7.649	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	15515	4.734	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	16712	5.227	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	21404	6.175	ug/L	98
3) Chloromethane	1.217	50	15382	5.946	ug/L	98
5) Vinyl chloride	1.285	62	14059	5.858	ug/L	95
6) Bromomethane	1.487	94	9532	6.011	ug/L	93
8) Chloroethane	1.548	64	7932	5.976	ug/L	96
9) Trichlorofluoromethane	1.716	101	23665	6.091	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	11822	6.171	ug/L	99
12) 1,1-Dichloroethene	2.073	96	10546	5.962	ug/L	81
13) Acetone	2.111	43	12648	12.111	ug/L	97
14) Carbon disulfide	2.243	76	35008	5.951	ug/L	99
15) Methyl Acetate	2.378	43	9966	5.443	ug/L	97
16) Methylene chloride	2.446	84	15685	6.259	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	12952	5.722	ug/L	93
18) Methyl tert-butyl Ether	2.700	73	36917	5.199	ug/L	98
19) 1,1-Dichloroethane	3.111	63	23449	5.799	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	13999	5.516	ug/L	90
22) 2-Butanone	3.889	43	13123m	9.840	ug/L	
23) Bromochloromethane	4.156	128	7573	5.425	ug/L	95
25) Chloroform	4.275	83	26163	5.749	ug/L	95
27) 1,2-Dichloroethane	5.047	62	19729	5.557	ug/L	96
29) Cyclohexane	4.577	56	16686	5.304	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	24415	5.733	ug/L	99
31) Carbon tetrachloride	4.738	117	22932	5.778	ug/L	97
33) Benzene	5.011	78	48466	5.344	ug/L	100
34) Trichloroethene	5.834	95	14166	5.542	ug/L	95
35) Methylcyclohexane	6.047	83	20211	5.440	ug/L	99
37) 1,2-Dichloropropane	6.095	63	12042	5.409	ug/L #	85
38) Bromodichloromethane	6.436	83	19582	5.662	ug/L	96
39) cis-1,3-Dichloropropene	6.957	75	19772	5.159	ug/L	95
40) 4-Methyl-2-pentanone	7.159	43	22938	9.420	ug/L	98
42) Toluene	7.317	91	52696	5.244	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	19200	4.986	ug/L	98

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45) 1,1,2-Trichloroethane	7.770	97	13706	5.467	ug/L	96
46) Tetrachloroethene	7.905	164	12241	5.495	ug/L	96
48) 2-Hexanone	8.082	43	16723	8.681	ug/L	93
49) Dibromochloromethane	8.178	129	15358	5.315	ug/L	96
50) 1,2-Dibromoethane	8.285	107	13843	5.272	ug/L	95
51) Chlorobenzene	8.815	112	40327	5.655	ug/L	99
52) Ethylbenzene	8.947	91	59178	5.130	ug/L	98
53) m,p-Xylene	9.076	106	23602	5.207	ug/L	92
54) o-Xylene	9.477	106	21661	4.965	ug/L	95
55) Styrene	9.497	104	37420	4.808	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.178	83	17938	5.065	ug/L	99
59) Bromoform	9.667	173	11189	5.355	ug/L #	98
60) Isopropylbenzene	9.866	105	57170	5.260	ug/L	96
61) 1,2,3-Trichloropropane	10.211	75	14610	5.649	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	45210	5.184	ug/L	99
63) 1,2,4-Trimethylbenzene	10.854	105	46761	5.118	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	32928	5.654	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	36748	5.937	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	33519	5.736	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	3812	5.066	ug/L	95
69) 1,3,5-Trichlorobenzene	12.583	180	24977	5.517	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	21758	5.244	ug/L	98
71) Naphthalene	13.442	128	45127	4.397	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	20267	5.038	ug/L	99

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

