

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033375.D
 Acq On : 15 Dec 2023 13:51
 Operator : SY/MD
 Sample : VSTD01018
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010218

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023

Quant Time: Dec 15 22:59:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM121523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 15 22:58:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	220867	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	226611	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	116153	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	16856	11.967	ug/L	0.00
7) Chloroethane-d5	1.532	69	15442	14.660	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	8052	14.126	ug/L	0.00
21) 2-Butanone-d5	3.802	46	14337m	20.399	ug/L	0.02
24) Chloroform-d	4.249	84	34417	11.740	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	20407	11.227	ug/L	0.00
32) Benzene-d6	4.960	84	57518	10.476	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	17799	11.726	ug/L	0.00
41) Toluene-d8	7.243	98	50506	9.655	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.555	79	7657	8.459	ug/L	0.00
47) 2-Hexanone-d5	8.031	63	9458m	16.101	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	24928	11.511	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	21293	10.154	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	18865	8.169	ug/L	99
3) Chloromethane	1.214	50	17990	11.173	ug/L	99
5) Vinyl chloride	1.285	62	18585	11.699	ug/L	98
6) Bromomethane	1.487	94	11804	11.349	ug/L	98
8) Chloroethane	1.548	64	12902	14.259	ug/L	98
9) Trichlorofluoromethane	1.712	101	32917	12.491	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	19299	14.760	ug/L	96
12) 1,1-Dichloroethene	2.069	96	16135	13.484	ug/L	96
13) Acetone	2.111	43	18934	26.321	ug/L	97
14) Carbon disulfide	2.240	76	40876	10.301	ug/L	99
15) Methyl Acetate	2.375	43	13507	11.982	ug/L	95
16) Methylene chloride	2.446	84	18399	12.138	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	14586	9.974	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	40888	9.205	ug/L	98
19) 1,1-Dichloroethane	3.111	63	29106	11.596	ug/L	97
20) cis-1,2-Dichloroethene	3.822	96	15981	10.234	ug/L	96
22) 2-Butanone	3.880	43	17606m	20.992	ug/L	
23) Bromochloromethane	4.153	128	9316	10.416	ug/L	85
25) Chloroform	4.275	83	32377	11.382	ug/L	98
27) 1,2-Dichloroethane	5.043	62	25878	11.493	ug/L	100
29) Cyclohexane	4.580	56	17946	8.588	ug/L	99
30) 1,1,1-Trichloroethane	4.510	97	28932	10.340	ug/L	97
31) Carbon tetrachloride	4.732	117	25846	9.992	ug/L	97
33) Benzene	5.008	78	59461	10.211	ug/L	100
34) Trichloroethene	5.831	95	16965	9.944	ug/L	96
35) Methylcyclohexane	6.047	83	21919	8.892	ug/L	98
37) 1,2-Dichloropropane	6.095	63	16773	12.054	ug/L #	96
38) Bromodichloromethane	6.432	83	23730	10.855	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	19794	8.139	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	28637	19.034	ug/L	93
42) Toluene	7.317	91	59254	9.074	ug/L	95
44) trans-1,3-Dichloropropene	7.584	75	21311	8.809	ug/L	99

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45) 1,1,2-Trichloroethane	7.770	97	17237	10.871	ug/L	96
46) Tetrachloroethene	7.905	164	12709	8.822	ug/L	96
48) 2-Hexanone	8.079	43	24569m	19.838	ug/L	
49) Dibromochloromethane	8.175	129	17284	9.404	ug/L	99
50) 1,2-Dibromoethane	8.281	107	17097	10.191	ug/L #	92
51) Chlorobenzene	8.815	112	46172	10.114	ug/L	100
52) Ethylbenzene	8.947	91	63103	8.491	ug/L	97
53) m,p-Xylene	9.075	106	22681	7.746	ug/L	99
54) o-Xylene	9.477	106	21954	7.649	ug/L	96
55) Styrene	9.497	104	37467	7.477	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	25266	11.301	ug/L	99
59) Bromoform	9.664	173	11665	9.357	ug/L	99
60) Isopropylbenzene	9.866	105	58835	8.738	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	18767	12.084	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	41146	7.684	ug/L	100
63) 1,2,4-Trimethylbenzene	10.854	105	41186	7.364	ug/L	94
64) 1,3-Dichlorobenzene	11.117	146	34221	9.601	ug/L	97
65) 1,4-Dichlorobenzene	11.210	146	37696	10.135	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	34588	9.802	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	4768	10.361	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	23057	8.311	ug/L	96
70) 1,2,4-trichlorobenzene	13.201	180	18048	7.151	ug/L	96
71) Naphthalene	13.442	128	37631	6.023	ug/L	97
72) 1,2,3-Trichlorobenzene	13.683	180	17673	7.185	ug/L	97

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

