

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121523\
 Data File : VW033376.D
 Acq On : 15 Dec 2023 14:14
 Operator : SY/MD
 Sample : VSTD05019
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050219

Quant Time: Dec 15 23:00:06 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	230171	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	236507	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	129788	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	92330	62.901	ug/L	0.00
7) Chloroethane-d5	1.529	69	82037	74.736	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	43837	73.799	ug/L	0.00
21) 2-Butanone-d5	3.780	46	94528	129.061	ug/L	0.00
24) Chloroform-d	4.249	84	183449	60.046	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.941	65	113944	60.155	ug/L	0.00
32) Benzene-d6	4.960	84	338196	59.020	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.989	67	101266	63.923	ug/L	0.00
41) Toluene-d8	7.243	98	324743	59.483	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.551	79	50710	53.680	ug/L	0.00
47) 2-Hexanone-d5	8.024	63	70339	114.732	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.153	84	144978	64.146	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.561	152	125835	53.702	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	96443	40.076	ug/L	100
3) Chloromethane	1.214	50	85346	50.865	ug/L	100
5) Vinyl chloride	1.285	62	91649	55.358	ug/L	100
6) Bromomethane	1.484	94	61907	57.115	ug/L	100
8) Chloroethane	1.548	64	64336	68.229	ug/L	100
9) Trichlorofluoromethane	1.712	101	162600	59.206	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	94161	69.106	ug/L	100
12) 1,1-Dichloroethene	2.069	96	81275	65.176	ug/L	100
13) Acetone	2.108	43	112673	150.298	ug/L	100
14) Carbon disulfide	2.240	76	204749	49.513	ug/L	100
15) Methyl Acetate	2.368	43	76866	65.430	ug/L	100
16) Methylene chloride	2.445	84	87971	55.690	ug/L	100
17) trans-1,2-Dichloroethene	2.693	96	78447	51.476	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	240228	51.895	ug/L	100
19) 1,1-Dichloroethane	3.111	63	150899	57.688	ug/L	100
20) cis-1,2-Dichloroethene	3.812	96	88062	54.112	ug/L	100
22) 2-Butanone	3.860	43	105895	121.156	ug/L	100
23) Bromochloromethane	4.146	128	47599	51.067	ug/L	100
25) Chloroform	4.275	83	166883	56.297	ug/L	100
27) 1,2-Dichloroethane	5.040	62	132102	56.300	ug/L	100
29) Cyclohexane	4.584	56	110167	50.516	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	147581	50.538	ug/L	100
31) Carbon tetrachloride	4.735	117	132906	49.233	ug/L	100
33) Benzene	5.008	78	329117	54.152	ug/L	100
34) Trichloroethene	5.834	95	87038	48.880	ug/L	100
35) Methylcyclohexane	6.050	83	127825	49.686	ug/L	100
37) 1,2-Dichloropropane	6.092	63	88023	60.610	ug/L	100
38) Bromodichloromethane	6.432	83	123480	54.119	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	132712	52.284	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	203444	129.561	ug/L	100
42) Toluene	7.313	91	362953	53.256	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	127828	50.627	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	91979	55.583	ug/L	100
46) Tetrachloroethene	7.905	164	68385	45.484	ug/L	100
48) 2-Hexanone	8.072	43	163303	126.337	ug/L	100
49) Dibromochloromethane	8.175	129	96693	50.410	ug/L	100
50) 1,2-Dibromoethane	8.281	107	96148	54.915	ug/L	100
51) Chlorobenzene	8.812	112	243475	51.103	ug/L	100
52) Ethylbenzene	8.947	91	393708	50.763	ug/L	100
53) m,p-Xylene	9.072	106	152626	49.941	ug/L	100
54) o-Xylene	9.477	106	144115	48.112	ug/L	100
55) Styrene	9.497	104	268648	51.366	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	142197	60.942	ug/L	100
59) Bromoform	9.664	173	67340	48.344	ug/L	100
60) Isopropylbenzene	9.866	105	400092	53.177	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	108096	62.288	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	303599	50.738	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	320835	51.336	ug/L	100
64) 1,3-Dichlorobenzene	11.117	146	196594	49.364	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	205750	49.507	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	201105	51.002	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	28464	55.357	ug/L	100
69) 1,3,5-Trichlorobenzene	12.583	180	131683	42.477	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	113396	40.209	ug/L	100
71) Naphthalene	13.439	128	308310	44.159	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	120651	43.895	ug/L	100

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

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