

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061322\
 Data File : VX029406.D
 Acq On : 13 Jun 2022 11:49
 Operator : JC/MD
 Sample : VSTD20070
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200670

Quant Time: Jun 13 12:13:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML061322WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 13 12:07:22 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/14/2022
 Supervised By : Mahesh Dadoda 06/15/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	390257	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	370203	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	188317	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	582773	171.024	ug/L	0.00
7) Chloroethane-d5	1.660	69	285959	132.473	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.307	63	1082651	167.120	ug/L	0.00
21) 2-Butanone-d5	4.465	46	941147	393.469	ug/L	0.00
24) Chloroform-d	5.062	84	1156907	180.451	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.964	65	701590	168.952	ug/L	0.00
32) Benzene-d6	5.977	84	2263671	173.732	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	671231	173.307	ug/L	0.00
41) Toluene-d8	8.653	98	2101819	176.174	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	368373	206.042	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	733632	421.051	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	927810	193.379	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	768620	180.734	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	756615	178.020	ug/L	99
3) Chloromethane	1.288	50	694528	201.641	ug/L	98
5) Vinyl chloride	1.374	62	683427	197.828	ug/L	99
6) Bromomethane	1.611	94	304978	202.991	ug/L	97
8) Chloroethane	1.679	64	239693	126.872	ug/L	98
9) Trichlorofluoromethane	1.880	101	959165	197.201	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	585498	192.017	ug/L	98
12) 1,1-Dichloroethene	2.319	96	553632m	197.187	ug/L	
13) Acetone	2.392	43	569036	287.788	ug/L	96
14) Carbon disulfide	2.508	76	1548404	188.383	ug/L	99
15) Methyl Acetate	2.709	43	633880	197.416	ug/L	93
16) Methylene chloride	2.788	84	607640	197.153	ug/L	91
17) trans-1,2-Dichloroethene	3.093	96	598490	201.163	ug/L	98
18) Methyl tert-butyl Ether	3.117	73	1981412	212.508	ug/L	97
19) 1,1-Dichloroethane	3.611	63	1041225	195.587	ug/L	100
20) cis-1,2-Dichloroethene	4.495	96	677733	206.320	ug/L	94
22) 2-Butanone	4.568	43	951273	362.440	ug/L	93
23) Bromochloromethane	4.904	128	333439	199.550	ug/L	95
25) Chloroform	5.099	83	1141871	199.501	ug/L	96
27) 1,2-Dichloroethane	6.092	62	864412	194.914	ug/L	99
29) Cyclohexane	5.477	56	988946	190.114	ug/L	93
30) 1,1,1-Trichloroethane	5.385	97	1044911	206.957	ug/L	97
31) Carbon tetrachloride	5.678	117	867240	197.042	ug/L	99
33) Benzene	6.044	78	2459734	198.355	ug/L	100
34) Trichloroethene	7.129	95	694434	193.322	ug/L	97
35) Methylcyclohexane	7.385	83	1103528	205.755	ug/L	97
37) 1,2-Dichloropropane	7.434	63	608670	194.865	ug/L	99
38) Bromodichloromethane	7.824	83	879407	208.759	ug/L	99
39) cis-1,3-Dichloropropene	8.372	75	1027655	218.488	ug/L	97
40) 4-Methyl-2-pentanone	8.580	43	1767393	398.053	ug/L #	91
42) Toluene	8.720	91	2683387	200.537	ug/L	99
44) trans-1,3-Dichloropropene	8.982	75	993751	224.734	ug/L	99

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45) 1,1,2-Trichloroethane	9.153	97	639165	207.872	ug/L	97
46) Tetrachloroethene	9.275	164	512167	197.240	ug/L	96
48) 2-Hexanone	9.439	43	1304717	366.084	ug/L #	90
49) Dibromochloromethane	9.525	129	707765	211.672	ug/L	100
50) 1,2-Dibromoethane	9.610	107	699678	215.515	ug/L	98
51) Chlorobenzene	10.079	112	1752482	205.621	ug/L	97
52) Ethylbenzene	10.195	91	2923299	202.069	ug/L	96
53) m,p-Xylene	10.305	106	1182328	207.725	ug/L	94
54) o-Xylene	10.646	106	1156769	210.999	ug/L	94
55) Styrene	10.659	104	1975071	212.673	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	935871	219.828	ug/L	100
59) Bromoform	10.805	173	475117	212.851	ug/L	100
60) Isopropylbenzene	10.963	105	2967840	206.968	ug/L	99
61) 1,2,3-Trichloropropane	11.244	75	752697	198.786	ug/L	99
62) 1,3,5-Trimethylbenzene	11.457	105	2563896	246.906	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	2534710	211.002	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	1285915	205.003	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	1268408	200.978	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	1234551	201.705	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	231224	243.451	ug/L	97
69) 1,3,5-Trichlorobenzene	13.116	180	904175	209.103	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	828451	217.197	ug/L	99
71) Naphthalene	13.780	128	2951679	226.466	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	830493	216.903	ug/L	98

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

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