

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112221\
 Data File : VX025249.D
 Acq On : 22 Nov 2021 12:27
 Operator : JC/MD
 Sample : VSTD00537
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005637

Quant Time: Nov 23 01:06:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM112221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 23 00:57:03 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/23/2021
 Supervised By : Mahesh Dadoda 11/23/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	175065	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	157843	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	76859	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	5878	3.912	ug/L	0.00
7) Chloroethane-d5	1.666	69	4889	5.030	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	63	9733	3.426	ug/L	0.00
21) 2-Butanone-d5	4.458	46	8572	8.140	ug/L	0.00
24) Chloroform-d	5.062	84	9943	3.417	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	6769	3.589	ug/L	0.00
32) Benzene-d6	5.970	84	20687	3.956	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	6556	4.077	ug/L	0.00
41) Toluene-d8	8.647	98	19734	4.262	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	3129	3.785	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	6112	8.830	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	8669	3.816	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	7626	5.102	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	5201	3.096	ug/L	96
3) Chloromethane	1.294	50	5646	4.540	ug/L	98
5) Vinyl chloride	1.374	62	6220	4.248	ug/L	96
6) Bromomethane	1.605	94	4045	4.417	ug/L	95
8) Chloroethane	1.685	64	4517	5.264	ug/L	96
9) Trichlorofluoromethane	1.886	101	9652	3.679	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	5137	3.779	ug/L	98
12) 1,1-Dichloroethene	2.319	96	4714	3.925	ug/L	99
13) Acetone	2.380	43	7871	7.817	ug/L	97
14) Carbon disulfide	2.508	76	11838	3.824	ug/L	98
15) Methyl Acetate	2.709	43	5914	4.101	ug/L #	90
16) Methylene chloride	2.788	84	5594	4.121	ug/L	97
17) trans-1,2-Dichloroethene	3.093	96	5182	4.203	ug/L	95
18) Methyl tert-butyl Ether	3.117	73	17245	3.688	ug/L	99
19) 1,1-Dichloroethane	3.611	63	8737	3.478	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	6086	4.245	ug/L	96
22) 2-Butanone	4.562	43	9800	8.034	ug/L	98
23) Bromochloromethane	4.903	128	3116m	4.522	ug/L	
27) 1,2-Dichloroethane	6.086	62	7099	3.382	ug/L	99
29) Cyclohexane	5.470	56	8323	3.737	ug/L	98
30) 1,1,1-Trichloroethane	5.391	97	8748	3.346	ug/L	98
31) Carbon tetrachloride	5.678	117	7810	3.702	ug/L	97
33) Benzene	6.037	78	21049	3.791	ug/L	100
34) Trichloroethene	7.129	95	5554	3.825	ug/L	94
35) Methylcyclohexane	7.385	83	8707	3.961	ug/L	99
37) 1,2-Dichloropropane	7.427	63	5075	3.840	ug/L	100
38) Bromodichloromethane	7.824	83	7344	3.831	ug/L	95
39) cis-1,3-Dichloropropene	8.366	75	8512	3.930	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	16533	7.952	ug/L	99
42) Toluene	8.720	91	22940	4.132	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	7780	3.720	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	5415	4.448	ug/L	97

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46) Tetrachloroethene	9.275	164	4757	5.629	ug/L	92
48) 2-Hexanone	9.433	43	13299	7.933	ug/L	98
49) Dibromochloromethane	9.519	129	6197	4.700	ug/L	98
50) 1,2-Dibromoethane	9.610	107	5863	4.484	ug/L #	92
51) Chlorobenzene	10.079	112	15310	4.684	ug/L	98
52) Ethylbenzene	10.195	91	24366	4.105	ug/L	100
53) m,p-Xylene	10.305	106	9955	4.523	ug/L	97
54) o-Xylene	10.640	106	9812	4.635	ug/L	97
55) Styrene	10.659	104	15605	4.277	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	8501	3.793	ug/L	97
59) Bromoform	10.799	173	4794	5.330	ug/L	98
60) Isopropylbenzene	10.963	105	25044	4.166	ug/L	98
61) 1,2,3-Trichloropropane	11.244	75	6632	3.753	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	20577	4.025	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	20670	4.145	ug/L #	80
64) 1,3-Dichlorobenzene	11.969	146	11137	4.796	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	11460	4.847	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	11632	4.892	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	1769	3.374	ug/L	93
69) 1,3,5-Trichlorobenzene	13.115	180	7924	4.904	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	5894	4.398	ug/L	97
71) Naphthalene	13.780	128	18632	3.959	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	6316	4.814	ug/L	98

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

