

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111121\
 Data File : VX025132.D
 Acq On : 11 Nov 2021 15:36
 Operator : JC/MD
 Sample : VSTD00535
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005635

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2021
 Supervised By : Mahesh Dadoda 11/12/2021

Quant Time: Nov 11 16:12:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 11 14:40:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	221023	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	197310	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	95130	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	8391	4.427	ug/L	0.00
7) Chloroethane-d5	1.666	69	6490	5.852	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	63	14133	3.913	ug/L	0.00
21) 2-Butanone-d5	4.471	46	12147	9.146	ug/L	0.00
24) Chloroform-d	5.062	84	14175	3.863	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.964	65	9027	3.807	ug/L	0.00
32) Benzene-d6	5.983	84	29486	4.491	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	8949	4.433	ug/L	0.00
41) Toluene-d8	8.653	98	28450	4.889	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	5021	4.794	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	9337	10.698	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	12600	4.426	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	10991	5.963	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	9552	4.386	ug/L	100
3) Chloromethane	1.288	50	10393	6.287	ug/L	89
5) Vinyl chloride	1.374	62	10822	5.736	ug/L	96
6) Bromomethane	1.611	94	5168	4.695	ug/L	96
8) Chloroethane	1.691	64	6322	5.993	ug/L	99
9) Trichlorofluoromethane	1.886	101	15282	4.569	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	7803	4.511	ug/L	95
12) 1,1-Dichloroethene	2.319	96	7396	4.795	ug/L	91
13) Acetone	2.386	43	11071	8.579	ug/L	95
14) Carbon disulfide	2.514	76	25783	6.265	ug/L	98
15) Methyl Acetate	2.709	43	9703	5.285	ug/L #	80
16) Methylene chloride	2.788	84	8869	5.150	ug/L	83
17) trans-1,2-Dichloroethene	3.093	96	8583	5.418	ug/L	89
18) Methyl tert-butyl Ether	3.117	73	25746	4.346	ug/L #	87
19) 1,1-Dichloroethane	3.611	63	13802	4.328	ug/L	92
20) cis-1,2-Dichloroethene	4.489	96	9456	5.200	ug/L	88
22) 2-Butanone	4.562	43	14616	9.343	ug/L	86
23) Bromochloromethane	4.904	128	4766	5.484	ug/L #	72
25) Chloroform	5.099	83	14189	4.086	ug/L	95
27) 1,2-Dichloroethane	6.092	62	10263	3.878	ug/L #	85
29) Cyclohexane	5.477	56	13680	4.804	ug/L	90
30) 1,1,1-Trichloroethane	5.385	97	13875	4.241	ug/L	94
31) Carbon tetrachloride	5.690	117	11705	4.435	ug/L	96
33) Benzene	6.044	78	33013	4.714	ug/L	100
34) Trichloroethene	7.129	95	8878	4.854	ug/L	82
35) Methylcyclohexane	7.385	83	14278	5.094	ug/L	94
37) 1,2-Dichloropropane	7.434	63	8252	4.975	ug/L	99
38) Bromodichloromethane	7.830	83	11463	4.763	ug/L	91
39) cis-1,3-Dichloropropene	8.372	75	13471	4.918	ug/L	100
40) 4-Methyl-2-pentanone	8.574	43	26515	10.135	ug/L #	85
42) Toluene	8.720	91	35044	5.022	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	13013	4.926	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	8635	5.679	ug/L	97
46) Tetrachloroethene	9.275	164	7180	6.744	ug/L	88
48) 2-Hexanone	9.433	43	20844	9.837	ug/L #	85
49) Dibromochloromethane	9.525	129	9502	5.796	ug/L	99
50) 1,2-Dibromoethane	9.610	107	8897	5.458	ug/L #	95
51) Chlorobenzene	10.079	112	23035	5.630	ug/L	96
52) Ethylbenzene	10.195	91	37335	5.003	ug/L	91
53) m,p-Xylene	10.305	106	15042	5.433	ug/L	81
54) o-Xylene	10.646	106	15216	5.743	ug/L	81
55) Styrene	10.659	104	24929	5.436	ug/L	86
57) 1,1,2,2-Tetrachloroethane	11.213	83	13167	4.680	ug/L	93
59) Bromoform	10.805	173	7087	6.395	ug/L #	95
60) Isopropylbenzene	10.963	105	37801	5.079	ug/L	96
61) 1,2,3-Trichloropropane	11.244	75	10048	4.605	ug/L	94
62) 1,3,5-Trimethylbenzene	11.451	105	32231	5.078	ug/L	89
63) 1,2,4-Trimethylbenzene	11.756	105	32211m	5.206	ug/L	
64) 1,3-Dichlorobenzene	11.969	146	17443	6.086	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	17195	5.903	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	16949	5.784	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.945	75	2666	4.076	ug/L #	59
69) 1,3,5-Trichlorobenzene	13.116	180	12306	6.176	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	10176m	6.107	ug/L	
71) Naphthalene	13.780	128	32139	5.497	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	9887	6.098	ug/L	94

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

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