

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111121\
 Data File : VX025129.D
 Acq On : 11 Nov 2021 14:26
 Operator : JC/MD
 Sample : VSTD10033
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100633

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 15:05:57 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	6.763	114	226627	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	207293	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	108815	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	152230	78.334	ug/L	0.00
7) Chloroethane-d5	1.660	69	95774m	84.225	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	63	263312	71.095	ug/L	0.00
21) 2-Butanone-d5	4.459	46	234528	172.213	ug/L	0.00
24) Chloroform-d	5.062	84	270270	71.837	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	159682	65.670	ug/L	0.00
32) Benzene-d6	5.977	84	566384	82.116	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	173127	81.631	ug/L	0.00
41) Toluene-d8	8.653	98	534434	87.424	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	94798	86.147	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	187702	204.700	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	250502	83.750	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	212248	100.665	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	174257	78.031	ug/L	99
3) Chloromethane	1.288	50	189393	111.742	ug/L	88
5) Vinyl chloride	1.374	62	194805	100.694	ug/L	97
6) Bromomethane	1.605	94	70160	62.160	ug/L	97
8) Chloroethane	1.679	64	112340	103.854	ug/L	98
9) Trichlorofluoromethane	1.880	101	287764	83.906	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	148940	83.969	ug/L	97
12) 1,1-Dichloroethene	2.319	96	144007	91.058	ug/L #	81
13) Acetone	2.386	43	203263	153.620	ug/L	97
14) Carbon disulfide	2.508	76	430148	101.930	ug/L	99
15) Methyl Acetate	2.703	43	174487	92.697	ug/L #	81
16) Methylene chloride	2.788	84	154990	87.769	ug/L	85
17) trans-1,2-Dichloroethene	3.093	96	151894	93.504	ug/L	92
18) Methyl tert-butyl Ether	3.117	73	488057	80.342	ug/L #	89
19) 1,1-Dichloroethane	3.611	63	265807	81.291	ug/L	95
20) cis-1,2-Dichloroethene	4.489	96	169885	91.115	ug/L #	98
22) 2-Butanone	4.562	43	283107	176.487	ug/L	84
23) Bromochloromethane	4.904	128	88153	98.920	ug/L #	73
25) Chloroform	5.099	83	271335	76.212	ug/L	100
27) 1,2-Dichloroethane	6.092	62	201098	74.106	ug/L #	89
29) Cyclohexane	5.477	56	261049	87.252	ug/L	86
30) 1,1,1-Trichloroethane	5.385	97	248220	72.208	ug/L #	94
31) Carbon tetrachloride	5.678	117	222682	80.311	ug/L	98
33) Benzene	6.044	78	634251	86.210	ug/L	100
34) Trichloroethene	7.129	95	163682	85.183	ug/L	85
35) Methylcyclohexane	7.385	83	280230	95.171	ug/L	93
37) 1,2-Dichloropropane	7.434	63	158662	91.052	ug/L	99
38) Bromodichloromethane	7.824	83	212967	84.235	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	262322	91.162	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	501617	182.504	ug/L #	84
42) Toluene	8.720	91	694009	94.667	ug/L	96
44) trans-1,3-Dichloropropene	8.982	75	256960	92.579	ug/L	98

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

45) 1,1,2-Trichloroethane	9.153	97	158444	99.180	ug/L	99
46) Tetrachloroethene	9.275	164	137976	123.357	ug/L	90
48) 2-Hexanone	9.433	43	411758	184.968	ug/L #	85
49) Dibromochloromethane	9.525	129	183109	106.311	ug/L	99
50) 1,2-Dibromoethane	9.610	107	170438	99.529	ug/L #	96
51) Chlorobenzene	10.079	112	441209	102.648	ug/L	100
52) Ethylbenzene	10.195	91	749659	95.621	ug/L	94
53) m,p-Xylene	10.305	106	304027	104.516	ug/L	78
54) o-Xylene	10.646	106	297138	106.745	ug/L	84
55) Styrene	10.659	104	510370	105.936	ug/L	83
57) 1,1,2,2-Tetrachloroethane	11.213	83	255747	86.523	ug/L	96
59) Bromoform	10.805	173	142076	112.074	ug/L #	94
60) Isopropylbenzene	10.963	105	764654	89.818	ug/L	95
61) 1,2,3-Trichloropropane	11.244	75	201612	80.781	ug/L	94
62) 1,3,5-Trimethylbenzene	11.451	105	650071	89.542	ug/L	88
63) 1,2,4-Trimethylbenzene	11.756	105	652437m	92.188	ug/L	
64) 1,3-Dichlorobenzene	11.969	146	346951	105.833	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	350769	105.268	ug/L	93
67) 1,2-Dichlorobenzene	12.335	146	351810	104.964	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.945	75	61186	81.773	ug/L #	62
69) 1,3,5-Trichlorobenzene	13.116	180	256170	112.390	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	235083	123.344	ug/L	96
71) Naphthalene	13.780	128	818275	122.365	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	236795	127.688	ug/L	96

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

