

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061322\
 Data File : VX029402.D
 Acq On : 13 Jun 2022 10:14
 Operator : JC/MD
 Sample : VSTD00566
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005666

Manual Integrations
 APPROVED

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

Quant Time: Jun 13 12:08:43 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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	384672	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	341260	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	166250	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	14215	4.232	ug/L	0.00
7) Chloroethane-d5	1.666	69	10089	4.742	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.307	63	25144	3.938	ug/L	0.00
21) 2-Butanone-d5	4.471	46	19654	8.336	ug/L	0.00
24) Chloroform-d	5.062	84	26241	4.152	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	18862	4.608	ug/L	0.00
32) Benzene-d6	5.971	84	51560	4.293	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	14567	4.080	ug/L	0.00
41) Toluene-d8	8.647	98	50288	4.573	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.958	79	6511	3.951	ug/L	0.00
47) 2-Hexanone-d5	9.385	63	14521	9.041	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	21851	4.941	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	16361	4.358	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	16794	4.009	ug/L	98
3) Chloromethane	1.288	50	16434	4.841	ug/L	95
5) Vinyl chloride	1.374	62	14898	4.375	ug/L	97
6) Bromomethane	1.618	94	7223	4.877	ug/L	92
8) Chloroethane	1.691	64	8809	4.730	ug/L	87
9) Trichlorofluoromethane	1.886	101	21560	4.497	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	12664	4.214	ug/L	95
12) 1,1-Dichloroethene	2.319	96	11293	4.081	ug/L	93
13) Acetone	2.392	43	15170	7.784	ug/L	98
14) Carbon disulfide	2.514	76	30632	3.781	ug/L	97
15) Methyl Acetate	2.709	43	12788	4.041	ug/L	92
16) Methylene chloride	2.788	84	12890	4.243	ug/L	92
17) trans-1,2-Dichloroethene	3.093	96	12325	4.203	ug/L	92
18) Methyl tert-butyl Ether	3.117	73	39941	4.346	ug/L	98
19) 1,1-Dichloroethane	3.611	63	21237	4.047	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	13669	4.222	ug/L	91
22) 2-Butanone	4.568	43	19356	7.482	ug/L	97
23) Bromochloromethane	4.891	128	6730m	4.086	ug/L	
25) Chloroform	5.093	83	23845	4.227	ug/L	97
27) 1,2-Dichloroethane	6.086	62	18051	4.129	ug/L #	94
29) Cyclohexane	5.471	56	20855	4.349	ug/L	93
30) 1,1,1-Trichloroethane	5.385	97	21781	4.680	ug/L	95
31) Carbon tetrachloride	5.678	117	16397	4.041	ug/L	96
33) Benzene	6.038	78	49601	4.339	ug/L	100
34) Trichloroethene	7.123	95	27778	8.389	ug/L	95
35) Methylcyclohexane	7.385	83	21963	4.442	ug/L	98
37) 1,2-Dichloropropane	7.428	63	11680	4.056	ug/L #	88
38) Bromodichloromethane	7.824	83	16639	4.285	ug/L	97
39) cis-1,3-Dichloropropene	8.366	75	18010	4.154	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	35262	8.615	ug/L	96
42) Toluene	8.720	91	53290	4.320	ug/L	95
44) trans-1,3-Dichloropropene	8.982	75	16422	4.029	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	13113	4.626	ug/L	94
46) Tetrachloroethene	9.275	164	9980	4.169	ug/L	92
48) 2-Hexanone	9.433	43	27355	8.326	ug/L	95
49) Dibromochloromethane	9.525	129	12723	4.128	ug/L	98
50) 1,2-Dibromoethane	9.610	107	13310	4.447	ug/L	96
51) Chlorobenzene	10.080	112	32880	4.185	ug/L	92
52) Ethylbenzene	10.195	91	56325	4.224	ug/L	98
53) m,p-Xylene	10.299	106	22120	4.216	ug/L	96
54) o-Xylene	10.640	106	21817	4.317	ug/L	96
55) Styrene	10.659	104	34426	4.021	ug/L	95
57) 1,1,2,2-Tetrachloroethane	11.214	83	19485	4.965	ug/L	96
59) Bromoform	10.799	173	7311	3.710	ug/L	97
60) Isopropylbenzene	10.964	105	58856	4.649	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	16462	4.925	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	48415	5.281	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	48264	4.551	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	23143	4.179	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	23965	4.301	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	24266	4.491	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	3978	4.744	ug/L	85
69) 1,3,5-Trichlorobenzene	13.116	180	14862	3.893	ug/L	95
70) 1,2,4-trichlorobenzene	13.591	180	13596	4.038	ug/L	97
71) Naphthalene	13.774	128	48930	4.252	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	14209	4.204	ug/L	94

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

