

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050924\
 Data File : VX041425.D
 Acq On : 09 May 2024 10:13
 Operator : JC/MD
 Sample : VSTD01001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010601

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

Quant Time: May 09 22:39:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML050924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 22:38:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	269998	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	299852	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	159652	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	15350	10.024	ug/L	0.00
7) Chloroethane-d5	1.648	69	11693	10.408	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	6711	8.708	ug/L	0.00
21) 2-Butanone-d5	4.477	46	21152	18.528	ug/L	0.01
24) Chloroform-d	5.056	84	29559	8.729	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	20830	8.551	ug/L	0.00
32) Benzene-d6	5.971	84	56252	6.867	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	16171	6.644	ug/L	0.00
41) Toluene-d8	8.647	98	67199	7.943	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	8774	7.195	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	17987	15.859	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	31110	8.122	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	28547	8.751	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	20129	10.828	ug/L	97
3) Chloromethane	1.301	50	18211	11.486	ug/L	94
5) Vinyl chloride	1.374	62	18327	11.223	ug/L	97
6) Bromomethane	1.599	94	11890	10.446	ug/L	96
8) Chloroethane	1.666	64	10579	11.314	ug/L	98
9) Trichlorofluoromethane	1.868	101	33059m	11.501	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	17368	9.835	ug/L	99
12) 1,1-Dichloroethene	2.313	96	15284	9.721	ug/L #	75
13) Acetone	2.386	43	26751	22.823	ug/L	99
14) Carbon disulfide	2.502	76	33105	8.755	ug/L	97
15) Methyl Acetate	2.709	43	19655	9.936	ug/L	100
16) Methylene chloride	2.788	84	17006	9.768	ug/L	98
17) trans-1,2-Dichloroethene	3.087	96	15469	9.596	ug/L	99
18) Methyl tert-butyl Ether	3.117	73	53425	9.713	ug/L	99
19) 1,1-Dichloroethane	3.605	63	28731	9.625	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	17956	9.649	ug/L	95
22) 2-Butanone	4.568	43	28923	19.762	ug/L	98
23) Bromochloromethane	4.898	128	9342	9.433	ug/L	98
25) Chloroform	5.093	83	31215	9.684	ug/L	99
27) 1,2-Dichloroethane	6.086	62	25283	9.413	ug/L	99
29) Cyclohexane	5.465	56	25916	7.773	ug/L	98
30) 1,1,1-Trichloroethane	5.379	97	26941	7.633	ug/L	99
31) Carbon tetrachloride	5.672	117	22875	7.301	ug/L	97
33) Benzene	6.038	78	63767	7.600	ug/L	100
34) Trichloroethene	7.123	95	17003	7.399	ug/L	95
35) Methylcyclohexane	7.373	83	25874	7.266	ug/L	99
37) 1,2-Dichloropropane	7.428	63	15928	7.539	ug/L	100
38) Bromodichloromethane	7.818	83	20569	7.203	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	29204	8.347	ug/L	95
40) 4-Methyl-2-pentanone	8.574	43	61318	18.034	ug/L	99
42) Toluene	8.714	91	84707	9.252	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	26334	8.071	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	21436	9.175	ug/L	98
46) Tetrachloroethene	9.275	164	19895	9.046	ug/L	97
48) 2-Hexanone	9.433	43	50468	18.527	ug/L	97
49) Dibromochloromethane	9.519	129	20438	8.654	ug/L	99
50) 1,2-Dibromoethane	9.610	107	22743	9.356	ug/L	99
51) Chlorobenzene	10.080	112	57873	9.479	ug/L	97
52) Ethylbenzene	10.195	91	92904	9.248	ug/L	99
53) m,p-Xylene	10.299	106	36870	9.176	ug/L	98
54) o-Xylene	10.640	106	36185	8.837	ug/L	99
55) Styrene	10.653	104	59448	8.693	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.214	83	35366	9.123	ug/L	97
59) Bromoform	10.799	173	16805	8.995	ug/L	98
60) Isopropylbenzene	10.964	105	94379	9.689	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	28144	10.312	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	62986	9.571	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	75459	9.463	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	47196	9.524	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	48877	9.689	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	50127	9.768	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	6761	9.207	ug/L	91
69) 1,3,5-Trichlorobenzene	13.116	180	34796	9.408	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	31083	9.203	ug/L	99
71) Naphthalene	13.774	128	94233	9.347	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	33135	9.409	ug/L	99

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

