

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041724\
 Data File : VX041121.D
 Acq On : 17 Apr 2024 13:05
 Operator : JC/MD
 Sample : VSTD00574
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005674

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/18/2024
 Supervised By : Mahesh Dadoda 04/18/2024

Quant Time: Apr 18 01:27:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 01:26:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	398583	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	362235	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	190132	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	13325	4.672	ug/L	0.00
7) Chloroethane-d5	1.648	69	7012m	5.001	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	5706	4.670	ug/L	0.00
21) 2-Butanone-d5	4.470	46	15609	9.587	ug/L	0.00
24) Chloroform-d	5.056	84	23537	4.484	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	15708	4.709	ug/L	0.00
32) Benzene-d6	5.970	84	47267	4.530	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	13505	4.472	ug/L	0.00
41) Toluene-d8	8.647	98	44413	4.537	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.951	79	5122	3.791	ug/L	0.00
47) 2-Hexanone-d5	9.390	63	9944	8.110	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	19534	4.433	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	18952	4.635	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	11258	4.514	ug/L	97
3) Chloromethane	1.300	50	10744	4.500	ug/L	96
5) Vinyl chloride	1.373	62	11283	4.386	ug/L	98
6) Bromomethane	1.599	94	6257	4.642	ug/L	99
8) Chloroethane	1.666	64	5198m	5.400	ug/L	
9) Trichlorofluoromethane	1.861	101	18149	4.705	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.318	101	11741	4.494	ug/L	99
12) 1,1-Dichloroethene	2.306	96	9847	4.412	ug/L	96
13) Acetone	2.392	43	12797	9.799	ug/L	99
14) Carbon disulfide	2.501	76	18050m	4.156	ug/L	
15) Methyl Acetate	2.709	43	12509	4.509	ug/L	97
16) Methylene chloride	2.782	84	12356m	5.018	ug/L	
17) trans-1,2-Dichloroethene	3.087	96	9537	4.228	ug/L	98
18) Methyl tert-butyl Ether	3.117	73	33423	4.304	ug/L	98
19) 1,1-Dichloroethane	3.605	63	18397	4.281	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	11147	4.146	ug/L	98
22) 2-Butanone	4.574	43	17363	8.880	ug/L	97
23) Bromochloromethane	4.897	128	5816	4.155	ug/L	86
25) Chloroform	5.086	83	19883	4.306	ug/L	100
27) 1,2-Dichloroethane	6.086	62	16153	4.433	ug/L	98
29) Cyclohexane	5.458	56	15928	4.371	ug/L	98
30) 1,1,1-Trichloroethane	5.373	97	16300	4.148	ug/L	99
31) Carbon tetrachloride	5.671	117	13350	3.951	ug/L	97
33) Benzene	6.031	78	41593	4.402	ug/L	100
34) Trichloroethene	7.122	95	11250	4.399	ug/L	96
35) Methylcyclohexane	7.378	83	16228	4.175	ug/L	97
37) 1,2-Dichloropropane	7.427	63	10700	4.367	ug/L	100
38) Bromodichloromethane	7.817	83	12684	4.050	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	14191	3.802	ug/L	98
40) 4-Methyl-2-pentanone	8.579	43	30549	8.390	ug/L	98
42) Toluene	8.720	91	43753	4.294	ug/L	100
44) trans-1,3-Dichloropropene	8.982	75	12576	3.699	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.153	97	11418	4.324	ug/L	99
46) Tetrachloroethene	9.274	164	10844	4.428	ug/L	96
48) 2-Hexanone	9.439	43	22696	8.027	ug/L	97
49) Dibromochloromethane	9.524	129	10213	3.808	ug/L	96
50) 1,2-Dibromoethane	9.610	107	11394	4.143	ug/L	98
51) Chlorobenzene	10.079	112	31306	4.408	ug/L	98
52) Ethylbenzene	10.195	91	48589	4.280	ug/L	100
53) m,p-Xylene	10.299	106	18622	4.144	ug/L	96
54) o-Xylene	10.640	106	18742	4.164	ug/L	96
55) Styrene	10.658	104	29984	4.003	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.213	83	18246	4.328	ug/L	99
59) Bromoform	10.799	173	8155	3.798	ug/L	99
60) Isopropylbenzene	10.963	105	48434	4.319	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	14566	4.647	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	37892	4.138	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	36903	4.052	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	25152	4.396	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	26359	4.516	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	26577	4.479	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.945	75	3030	3.788	ug/L	97
69) 1,3,5-Trichlorobenzene	13.109	180	18647	4.185	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	15871	3.950	ug/L	100
71) Naphthalene	13.774	128	43773	3.795	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	17050	4.064	ug/L	98

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

