

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041724\
 Data File : VX041122.D
 Acq On : 17 Apr 2024 13:28
 Operator : JC/MD
 Sample : VSTD01075
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD010675

Manual Integrations
 APPROVED

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

Quant Time: Apr 18 01:27:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM041724WMA.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	291398	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	262563	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	134518	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	20146	9.662	ug/L	0.00
7) Chloroethane-d5	1.648	69	10410	10.156	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.288	65	8621	9.651	ug/L	0.00
21) 2-Butanone-d5	4.477	46	24487	20.572	ug/L	0.00
24) Chloroform-d	5.062	84	36011	9.383	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.958	65	24150	9.902	ug/L	0.00
32) Benzene-d6	5.970	84	73524	9.722	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	21237	9.701	ug/L	0.00
41) Toluene-d8	8.647	98	69731	9.829	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	8256	8.430	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	16112	18.128	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	30779	9.637	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	28744	9.936	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	18171	9.966	ug/L	98
3) Chloromethane	1.301	50	17586	10.076	ug/L	96
5) Vinyl chloride	1.374	62	18728	9.959	ug/L	100
6) Bromomethane	1.599	94	9819	9.964	ug/L	94
8) Chloroethane	1.666	64	7455m	10.593	ug/L	
9) Trichlorofluoromethane	1.861	101	28635	10.155	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	18681	9.780	ug/L	99
12) 1,1-Dichloroethene	2.306	96	15939	9.767	ug/L	98
13) Acetone	2.398	43	19486	20.410	ug/L	96
14) Carbon disulfide	2.495	76	29458m	9.276	ug/L	
15) Methyl Acetate	2.709	43	20159	9.940	ug/L	97
16) Methylene chloride	2.782	84	16928	9.404	ug/L	89
17) trans-1,2-Dichloroethene	3.087	96	15775	9.567	ug/L	99
18) Methyl tert-butyl Ether	3.123	73	54282	9.562	ug/L	99
19) 1,1-Dichloroethane	3.605	63	30511	9.711	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	19127	9.730	ug/L	96
22) 2-Butanone	4.580	43	26762	18.721	ug/L	95
23) Bromochloromethane	4.904	128	9740	9.517	ug/L	96
25) Chloroform	5.093	83	32622	9.664	ug/L	99
27) 1,2-Dichloroethane	6.086	62	26077	9.789	ug/L	97
29) Cyclohexane	5.464	56	24888	9.422	ug/L	96
30) 1,1,1-Trichloroethane	5.379	97	27258	9.569	ug/L	99
31) Carbon tetrachloride	5.672	117	22424	9.157	ug/L	100
33) Benzene	6.031	78	68192	9.958	ug/L	100
34) Trichloroethene	7.123	95	17902	9.657	ug/L	99
35) Methylcyclohexane	7.379	83	26981	9.576	ug/L	99
37) 1,2-Dichloropropane	7.434	63	17252	9.715	ug/L	100
38) Bromodichloromethane	7.824	83	20487	9.025	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	23921	8.842	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	50719	19.218	ug/L	99
42) Toluene	8.720	91	73022	9.887	ug/L	99
44) trans-1,3-Dichloropropene	8.982	75	21074	8.552	ug/L	99

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

45) 1,1,2-Trichloroethane	9.153	97	19066	9.961	ug/L	99
46) Tetrachloroethene	9.275	164	16954	9.552	ug/L	98
48) 2-Hexanone	9.433	43	39569	19.306	ug/L	99
49) Dibromochloromethane	9.519	129	16913	8.699	ug/L	91
50) 1,2-Dibromoethane	9.610	107	19378	9.720	ug/L	96
51) Chlorobenzene	10.079	112	51416	9.988	ug/L	99
52) Ethylbenzene	10.195	91	78966	9.596	ug/L	98
53) m,p-Xylene	10.305	106	30749	9.439	ug/L	93
54) o-Xylene	10.640	106	30888	9.468	ug/L	99
55) Styrene	10.659	104	50090	9.226	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	30496	9.979	ug/L	99
59) Bromoform	10.799	173	13677	9.002	ug/L	99
60) Isopropylbenzene	10.963	105	79680	10.043	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	24224	10.923	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	63051	9.732	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	62290	9.667	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	40058	9.895	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	41792	10.120	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	42793	10.193	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	5329	9.416	ug/L	93
69) 1,3,5-Trichlorobenzene	13.109	180	29660	9.408	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	25855	9.094	ug/L	100
71) Naphthalene	13.774	128	73908	9.058	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	27897	9.400	ug/L	99

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

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