

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030724\
 Data File : VX040600.D
 Acq On : 06 Mar 2024 13:13
 Operator : JC/MD
 Sample : VSTD00562
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005662

Quant Time: Mar 07 01:16:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML030724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 07 01:15:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/07/2024
 Supervised By : Mahesh Dadoda 03/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	153485	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	145421	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	72982	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	6303	5.037	ug/L	0.00
7) Chloroethane-d5	1.666	69	5209	5.539	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.306	65	2989	5.461	ug/L	0.00
21) 2-Butanone-d5	4.458	46	9019	8.291	ug/L	0.00
24) Chloroform-d	5.056	84	10990	4.907	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	9222	6.172	ug/L	0.00
32) Benzene-d6	5.970	84	20133	4.432	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	6322	4.347	ug/L	0.00
41) Toluene-d8	8.647	98	20533	4.936	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.951	79	3104	4.163	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	6287	7.394	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	8929	4.297	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	7143	5.001	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	6332	5.048	ug/L	96
3) Chloromethane	1.294	50	5675	4.488	ug/L	93
5) Vinyl chloride	1.374	62	5932	4.665	ug/L	90
6) Bromomethane	1.611	94	3644	5.292	ug/L	78
8) Chloroethane	1.684	64	3155	4.335	ug/L	99
9) Trichlorofluoromethane	1.886	101	8227	4.959	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	5268	5.019	ug/L	96
12) 1,1-Dichloroethene	2.318	96	4453	4.549	ug/L	88
13) Acetone	2.379	43	7692	7.845	ug/L	99
14) Carbon disulfide	2.507	76	12286	4.017	ug/L	99
15) Methyl Acetate	2.703	43	5834	4.053	ug/L	100
16) Methylene chloride	2.794	84	5021	4.504	ug/L	78
17) trans-1,2-Dichloroethene	3.087	96	4544	4.449	ug/L	93
18) Methyl tert-butyl Ether	3.111	73	14491	4.040	ug/L	98
19) 1,1-Dichloroethane	3.605	63	8198	4.041	ug/L	94
20) cis-1,2-Dichloroethene	4.483	96	4917	4.163	ug/L	89
22) 2-Butanone	4.562	43	9052	7.425	ug/L	98
23) Bromochloromethane	4.891	128	2699m	4.788	ug/L	
25) Chloroform	5.092	83	9954	4.817	ug/L	91
27) 1,2-Dichloroethane	6.092	62	8179	4.878	ug/L #	87
29) Cyclohexane	5.458	56	7141	3.663	ug/L #	73
30) 1,1,1-Trichloroethane	5.379	97	8054	4.537	ug/L	98
31) Carbon tetrachloride	5.678	117	6723	4.534	ug/L #	54
33) Benzene	6.037	78	18026	4.025	ug/L	100
34) Trichloroethene	7.123	95	5494	4.546	ug/L	97
35) Methylcyclohexane	7.372	83	7925	4.037	ug/L	99
37) 1,2-Dichloropropane	7.433	63	4525	3.670	ug/L #	88
38) Bromodichloromethane	7.824	83	6684	4.300	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	7712	3.880	ug/L	98
40) 4-Methyl-2-pentanone	8.573	43	15036	7.248	ug/L	98
42) Toluene	8.720	91	19085	3.982	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	7120	3.830	ug/L	98

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45) 1,1,2-Trichloroethane	9.153	97	4692	4.058	ug/L	86
46) Tetrachloroethene	9.275	164	3869	4.770	ug/L	99
48) 2-Hexanone	9.433	43	12671	7.345	ug/L	97
49) Dibromochloromethane	9.518	129	4788	4.196	ug/L	94
50) 1,2-Dibromoethane	9.610	107	5164	4.164	ug/L #	91
51) Chlorobenzene	10.079	112	13065	4.391	ug/L	97
52) Ethylbenzene	10.195	91	22649	4.198	ug/L	99
53) m,p-Xylene	10.299	106	8048	4.016	ug/L	87
54) o-Xylene	10.640	106	7331	3.810	ug/L	85
55) Styrene	10.658	104	12480	3.779	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.213	83	7921	3.975	ug/L	99
59) Bromoform	10.799	173	3439	3.947	ug/L	98
60) Isopropylbenzene	10.963	105	21519	4.037	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	6605	4.149	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	16651	3.703	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	16839	3.801	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	9915	4.407	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	10152	4.429	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	9412	4.333	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.945	75	1592	3.264	ug/L #	86
69) 1,3,5-Trichlorobenzene	13.115	180	6236	4.113	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	6313	4.374	ug/L	96
71) Naphthalene	13.774	128	17762	3.642	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5876	4.198	ug/L	96

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

