

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120524\
 Data File : VX044137.D
 Acq On : 05 Dec 2024 10:14
 Operator : JC/MD
 Sample : VSTD00548
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005648

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/06/2024
 Supervised By : Mahesh Dadoda 12/06/2024

Quant Time: Dec 06 03:30:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120524WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 06 03:29:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	233594	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	198603	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	83162	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	8693	4.032	ug/L	0.00
7) Chloroethane-d5	1.648	69	5531	3.690	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	3553	3.923	ug/L	0.00
21) 2-Butanone-d5	4.483	46	10220	7.778	ug/L	0.02
24) Chloroform-d	5.056	84	14270	3.532	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	11466	4.062	ug/L	0.00
32) Benzene-d6	5.970	84	26394	3.729	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.299	67	8342	3.817	ug/L	0.00
41) Toluene-d8	8.647	98	24572	3.798	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.951	79	3243	3.067	ug/L	0.00
47) 2-Hexanone-d5	9.390	63	5669	6.474	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	11106	3.720	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	7955	4.147	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	5245	2.733	ug/L	98
3) Chloromethane	1.294	50	5353	3.080	ug/L	100
5) Vinyl chloride	1.374	62	5510	2.915	ug/L	98
6) Bromomethane	1.593	94	4415	3.609	ug/L	98
8) Chloroethane	1.666	64	4294m	3.546	ug/L	
9) Trichlorofluoromethane	1.867	101	11558	3.011	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	4458	2.930	ug/L #	91
12) 1,1-Dichloroethene	2.306	96	3955	2.916	ug/L #	80
13) Acetone	2.386	43	8000	7.145	ug/L	94
14) Carbon disulfide	2.495	76	6898	2.890	ug/L	96
15) Methyl Acetate	2.703	43	6390	3.480	ug/L	96
16) Methylene chloride	2.782	84	4432	2.878	ug/L	84
17) trans-1,2-Dichloroethene	3.074	96	4159	2.970	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	16495	2.890	ug/L #	94
19) 1,1-Dichloroethane	3.605	63	8671	2.891	ug/L	96
20) cis-1,2-Dichloroethene	4.483	96	5022	2.918	ug/L	91
22) 2-Butanone	4.574	43	8512m	6.154	ug/L	
23) Bromochloromethane	4.903	128	2497m	2.917	ug/L	
27) 1,2-Dichloroethane	6.086	62	6808	2.433	ug/L	97
29) Cyclohexane	5.446	56	8030m	3.193	ug/L	
30) 1,1,1-Trichloroethane	5.367	97	8128m	3.008	ug/L	
31) Carbon tetrachloride	5.672	117	5723	2.647	ug/L	97
33) Benzene	6.025	78	18169	2.915	ug/L	100
35) Methylcyclohexane	7.372	83	8069	3.189	ug/L	99
37) 1,2-Dichloropropane	7.427	63	5049	3.089	ug/L	98
38) Bromodichloromethane	7.817	83	5296	2.485	ug/L #	82
39) cis-1,3-Dichloropropene	8.366	75	6566	2.438	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	14288	5.504	ug/L #	90
42) Toluene	8.714	91	19046	2.909	ug/L	90
44) trans-1,3-Dichloropropene	8.976	75	5568	2.207	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	4955	2.969	ug/L	96
46) Tetrachloroethene	9.268	164	3597	3.291	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	9.439	43	11263	5.373	ug/L #	90
49) Dibromochloromethane	9.518	129	3292	2.276	ug/L	93
50) 1,2-Dibromoethane	9.610	107	4659	2.694	ug/L #	95
51) Chlorobenzene	10.073	112	12649	3.114	ug/L	95
52) Ethylbenzene	10.195	91	21328	2.933	ug/L	93
53) m,p-Xylene	10.305	106	7841	2.936	ug/L	79
54) o-Xylene	10.640	106	7688	2.852	ug/L	82
55) Styrene	10.652	104	11306	2.520	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	7745	2.960	ug/L #	94
59) Bromoform	10.805	173	2026	2.447	ug/L #	73
60) Isopropylbenzene	10.963	105	19613	2.920	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	6420	3.305	ug/L	95
62) 1,3,5-Trimethylbenzene	11.451	105	16021	2.898	ug/L	96
63) 1,2,4-Trimethylbenzene	11.750	105	15759	2.903	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	8601	3.264	ug/L	97
65) 1,4-Dichlorobenzene	12.042	146	8477	3.158	ug/L	87
67) 1,2-Dichlorobenzene	12.335	146	8644	3.151	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.945	75	986m	2.179	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	5002	2.950	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	4299	2.851	ug/L	91
71) Naphthalene	13.780	128	22898	3.694	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	4985	3.107	ug/L	94

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

