

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111924\
 Data File : VX043890.D
 Acq On : 19 Nov 2024 10:07
 Operator : JC/MD
 Sample : VSTD00542
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005642

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/20/2024
 Supervised By : Mahesh Dadoda 11/20/2024

Quant Time: Nov 19 23:09:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM111924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 19 23:08:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	294739	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	263629	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	111195	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	11180	4.754	ug/L	0.00
7) Chloroethane-d5	1.648	69	4964	4.959	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	4509	4.771	ug/L	0.00
21) 2-Butanone-d5	4.477	46	12160	8.605	ug/L	0.02
24) Chloroform-d	5.056	84	18554	4.258	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	13173	4.554	ug/L	0.00
32) Benzene-d6	5.964	84	38407	4.418	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	11634	4.428	ug/L	0.00
41) Toluene-d8	8.647	98	34724	4.553	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	4347	3.656	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	8198	8.357	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	15168	4.578	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	11251	4.767	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	13048	5.395	ug/L	99
3) Chloromethane	1.295	50	12884	5.210	ug/L	93
5) Vinyl chloride	1.374	62	13627	5.420	ug/L	97
6) Bromomethane	1.599	94	4974	4.750	ug/L	82
8) Chloroethane	1.666	64	5790	5.477	ug/L	96
9) Trichlorofluoromethane	1.868	101	18071	5.372	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	11636	5.803	ug/L	95
12) 1,1-Dichloroethene	2.307	96	10049	5.503	ug/L #	85
13) Acetone	2.386	43	13538	10.899	ug/L	100
14) Carbon disulfide	2.502	76	17865	4.603	ug/L	98
15) Methyl Acetate	2.703	43	12248	5.271	ug/L	94
16) Methylene chloride	2.782	84	10726	5.009	ug/L	98
17) trans-1,2-Dichloroethene	3.087	96	10185	5.208	ug/L	100
18) Methyl tert-butyl Ether	3.117	73	36674	5.067	ug/L	99
19) 1,1-Dichloroethane	3.599	63	20100	5.159	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	12266	5.159	ug/L	87
22) 2-Butanone	4.574	43	16382	9.825	ug/L	79
23) Bromochloromethane	4.891	128	6624m	5.422	ug/L	
25) Chloroform	5.087	83	21870	5.140	ug/L	99
27) 1,2-Dichloroethane	6.086	62	16229	4.836	ug/L	98
29) Cyclohexane	5.458	56	17517	5.108	ug/L #	68
30) 1,1,1-Trichloroethane	5.373	97	17657	4.854	ug/L	99
31) Carbon tetrachloride	5.666	117	13746	4.659	ug/L	99
33) Benzene	6.031	78	44468	5.046	ug/L	100
34) Trichloroethene	7.123	95	13524	5.592	ug/L	91
35) Methylcyclohexane	7.373	83	17092	5.169	ug/L	98
37) 1,2-Dichloropropane	7.428	63	11247	4.917	ug/L	99
38) Bromodichloromethane	7.818	83	12715	4.433	ug/L	95
39) cis-1,3-Dichloropropene	8.366	75	16634	4.615	ug/L	100
40) 4-Methyl-2-pentanone	8.574	43	29696	9.484	ug/L	97
42) Toluene	8.714	91	44923	5.058	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	14526	4.484	ug/L	97

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45) 1,1,2-Trichloroethane	9.147	97	11946	5.311	ug/L	96
46) Tetrachloroethene	9.269	164	9058	5.748	ug/L	86
48) 2-Hexanone	9.433	43	20801	8.801	ug/L	96
49) Dibromochloromethane	9.519	129	9517	4.577	ug/L	97
50) 1,2-Dibromoethane	9.610	107	12188	5.144	ug/L #	90
51) Chlorobenzene	10.080	112	29980	5.442	ug/L	99
52) Ethylbenzene	10.189	91	48124	5.141	ug/L	98
53) m,p-Xylene	10.299	106	18122	5.212	ug/L	86
54) o-Xylene	10.640	106	17926	5.121	ug/L	98
55) Styrene	10.653	104	29040	5.012	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	18031	5.356	ug/L	98
59) Bromoform	10.799	173	5763	4.626	ug/L	98
60) Isopropylbenzene	10.957	105	45173	5.155	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	14330	5.656	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	36963	5.339	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	36824	5.335	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	20690	5.628	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	21012	5.756	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	20968	5.508	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	2902	4.577	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.109	180	11645	4.909	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	11035	5.045	ug/L	95
71) Naphthalene	13.774	128	39424	4.845	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	10048	4.559	ug/L	99

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

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