

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111924\
 Data File : VX043894.D
 Acq On : 19 Nov 2024 11:39
 Operator : JC/MD
 Sample : VSTD20046
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200646

Manual Integrations
 APPROVED

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

Quant Time: Nov 19 23:11:15 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	6.757	114	258072	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	263924	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	113067	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	485408	235.757	ug/L	0.00
7) Chloroethane-d5	1.648	69	163765	186.846	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	188369	227.638	ug/L	0.00
21) 2-Butanone-d5	4.465	46	573249	463.320	ug/L	0.01
24) Chloroform-d	5.050	84	895913	234.830	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	550033	217.172	ug/L	0.00
32) Benzene-d6	5.970	84	1683166	193.388	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.305	67	472271	179.540	ug/L	0.00
41) Toluene-d8	8.647	98	1266475	165.879	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.945	79	239082	200.845	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	390577	397.691	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	677736	204.340	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	503449	209.768	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	467875	220.956	ug/L	100
3) Chloromethane	1.294	50	491286	226.910	ug/L	97
5) Vinyl chloride	1.374	62	488172	221.744	ug/L	98
6) Bromomethane	1.593	94	199807	217.922	ug/L	95
8) Chloroethane	1.666	64	180918m	195.445	ug/L	
9) Trichlorofluoromethane	1.867	101	649956	220.649	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	372642	212.233	ug/L	97
12) 1,1-Dichloroethene	2.306	96	333719	208.700	ug/L #	64
13) Acetone	2.386	43	434951	399.902	ug/L	98
14) Carbon disulfide	2.501	76	884225	260.185	ug/L	100
15) Methyl Acetate	2.703	43	438285	215.414	ug/L	99
16) Methylene chloride	2.782	84	413904	220.761	ug/L	98
17) trans-1,2-Dichloroethene	3.081	96	383403	223.897	ug/L	96
18) Methyl tert-butyl Ether	3.117	73	1410254	222.549	ug/L	99
19) 1,1-Dichloroethane	3.599	63	752048	220.439	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	467127	224.386	ug/L	99
22) 2-Butanone	4.562	43	621641	425.809	ug/L	98
23) Bromochloromethane	4.891	128	235134	219.799	ug/L	99
25) Chloroform	5.086	83	804433	215.916	ug/L	95
27) 1,2-Dichloroethane	6.080	62	645369	219.621	ug/L	99
29) Cyclohexane	5.464	56	633699	184.593	ug/L	100
30) 1,1,1-Trichloroethane	5.379	97	692357	190.122	ug/L	99
31) Carbon tetrachloride	5.672	117	576501	195.174	ug/L	99
33) Benzene	6.031	78	1593547	180.620	ug/L	100
34) Trichloroethene	7.116	95	403397	166.605	ug/L	96
35) Methylcyclohexane	7.373	83	547298	165.327	ug/L	97
37) 1,2-Dichloropropane	7.427	63	394200	172.161	ug/L	100
38) Bromodichloromethane	7.818	83	528629	184.088	ug/L	99
39) cis-1,3-Dichloropropene	8.360	75	626190	173.549	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	1072511	342.137	ug/L	96
42) Toluene	8.714	91	1396546	157.076	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	603238	185.998	ug/L	99

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45) 1,1,2-Trichloroethane	9.147	97	367503	163.213	ug/L	99
46) Tetrachloroethene	9.269	164	265461	168.259	ug/L	98
48) 2-Hexanone	9.433	43	905330	382.626	ug/L	96
49) Dibromochloromethane	9.518	129	424953	204.157	ug/L	96
50) 1,2-Dibromoethane	9.610	107	427124	180.084	ug/L	100
51) Chlorobenzene	10.079	112	1059828	192.173	ug/L	96
52) Ethylbenzene	10.189	91	1795397	191.581	ug/L	99
53) m,p-Xylene	10.299	106	684701	196.717	ug/L	99
54) o-Xylene	10.640	106	660039	188.350	ug/L	97
55) Styrene	10.652	104	1136655	195.945	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.207	83	638791	189.528	ug/L	98
59) Bromoform	10.799	173	300024	236.818	ug/L	98
60) Isopropylbenzene	10.957	105	1786328	200.476	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	497212	192.998	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	1367138	194.205	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	1304740	185.886	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	681627	182.332	ug/L	97
65) 1,4-Dichlorobenzene	12.036	146	686230	184.861	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	763958	197.372	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	151034	234.246	ug/L	95
69) 1,3,5-Trichlorobenzene	13.109	180	561544	232.793	ug/L	97
70) 1,2,4-trichlorobenzene	13.585	180	529684	238.151	ug/L	98
71) Naphthalene	13.774	128	1968397	237.905	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	536337	239.326	ug/L	98

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

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