

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041724\
 Data File : VX041151.D
 Acq On : 18 Apr 2024 01:18
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050737

Quant Time: Apr 18 02:28:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 02:15:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	301755	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	276981	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	150678	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	106156	49.164	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.320%		
7) Chloroethane-d5	1.648	69	50912	47.381	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.760%		
11) 1,1-Dichloroethene-d2	2.294	65	45106	48.761	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.520%		
21) 2-Butanone-d5	4.471	46	133448	108.264	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	108.260%		
24) Chloroform-d	5.056	84	199355	50.161	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.320%		
26) 1,2-Dichloroethane-d4	5.952	65	125026	49.505	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.020%		
32) Benzene-d6	5.970	84	404364	50.683	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.360%		
36) 1,2-Dichloropropane-d6	7.305	67	115424	49.980	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.960%		
41) Toluene-d8	8.647	98	374497	50.037	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.080%		
43) trans-1,3-Dichloroprop...	8.951	79	50436	48.819	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.640%		
47) 2-Hexanone-d5	9.390	63	98018	104.540	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.540%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	172800	51.286	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.580%		
66) 1,2-Dichlorobenzene-d4	12.323	152	164819	50.864	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.720%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	92922	49.214	ug/L	100
3) Chloromethane	1.300	50	92225	51.025	ug/L	99
5) Vinyl chloride	1.373	62	96865	49.740	ug/L	100
6) Bromomethane	1.599	94	48267	47.299	ug/L	100
8) Chloroethane	1.666	64	36401m	47.677	ug/L	
9) Trichlorofluoromethane	1.861	101	147406	50.479	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	96740	48.910	ug/L	98
12) 1,1-Dichloroethene	2.306	96	85917	50.843	ug/L	100
13) Acetone	2.398	43	88272	89.282	ug/L	98
14) Carbon disulfide	2.501	76	160906	46.902	ug/L	100
15) Methyl Acetate	2.709	43	107287	51.085	ug/L	98
16) Methylene chloride	2.782	84	96562	50.926	ug/L	98
17) trans-1,2-Dichloroethene	3.087	96	83429	48.858	ug/L	97
18) Methyl tert-butyl Ether	3.123	73	304919	51.871	ug/L	100
19) 1,1-Dichloroethane	3.605	63	166019	51.024	ug/L	98
20) cis-1,2-Dichloroethene	4.483	96	103191	50.693	ug/L	97
22) 2-Butanone	4.574	43	147871	99.827	ug/L	98
23) Bromochloromethane	4.897	128	52768	49.789	ug/L	98
25) Chloroform	5.092	83	177823	50.872	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	140342	50.876	ug/L	100
29) Cyclohexane	5.464	56	139611	50.104	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	151786	50.511	ug/L	99
31) Carbon tetrachloride	5.672	117	129938	50.298	ug/L	99
33) Benzene	6.031	78	367465	50.865	ug/L	100
34) Trichloroethene	7.122	95	97483	49.847	ug/L	99
35) Methylcyclohexane	7.379	83	142943	48.092	ug/L	99
37) 1,2-Dichloropropane	7.427	63	94759	50.582	ug/L	99
38) Bromodichloromethane	7.824	83	120817	50.453	ug/L	100
39) cis-1,3-Dichloropropene	8.366	75	139838	49.016	ug/L	98
40) 4-Methyl-2-pentanone	8.580	43	289405	103.953	ug/L	98
42) Toluene	8.714	91	398079	51.094	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	128012	49.247	ug/L	100
45) 1,1,2-Trichloroethane	9.153	97	103929	51.472	ug/L	99
46) Tetrachloroethene	9.275	164	91446	48.838	ug/L	95
48) 2-Hexanone	9.433	43	227531	105.235	ug/L	99
49) Dibromochloromethane	9.524	129	105261	51.322	ug/L	97
50) 1,2-Dibromoethane	9.610	107	109172	51.912	ug/L	99
51) Chlorobenzene	10.079	112	272043	50.096	ug/L	99
52) Ethylbenzene	10.195	91	440130	50.703	ug/L	100
53) m,p-Xylene	10.299	106	176650	51.405	ug/L	100
54) o-Xylene	10.640	106	175897	51.109	ug/L	100
55) Styrene	10.652	104	295065	51.521	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	166916	51.776	ug/L	98
59) Bromoform	10.799	173	88914	52.248	ug/L	98
60) Isopropylbenzene	10.963	105	467741	52.630	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	129162	51.996	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	381648	52.592	ug/L	100
63) 1,2,4-Trimethylbenzene	11.750	105	376480	52.161	ug/L	100
64) 1,3-Dichlorobenzene	11.969	146	228712	50.437	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	228300	49.353	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	240834	51.212	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	34029	53.682	ug/L	97
69) 1,3,5-Trichlorobenzene	13.109	180	171534	48.576	ug/L	100
70) 1,2,4-trichlorobenzene	13.585	180	152775	47.975	ug/L	99
71) Naphthalene	13.774	128	473964	51.856	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	165363	49.741	ug/L	100

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

