

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111924\
 Data File : VX043901.D
 Acq On : 19 Nov 2024 15:35
 Operator : JC/MD
 Sample : P4776-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT4-2024-07

Quant Time: Nov 20 00:00:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML111924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 19 23:30:03 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.751	114	328946	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	233657	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	100373	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.367	65	107034	40.785	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.560%
7) Chloroethane-d5	1.642	69	50880	45.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.940%
11) 1,1-Dichloroethene-d2	2.294	65	42982	40.751	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.500%
21) 2-Butanone-d5	4.452	46	143795	91.180	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.180%
24) Chloroform-d	5.050	84	195360	40.173	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.340%
26) 1,2-Dichloroethane-d4	5.946	65	130056	40.287	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.580%
32) Benzene-d6	5.964	84	391454	50.802	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	7.299	67	121007	51.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.920%
41) Toluene-d8	8.647	98	352011	52.078	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.160%
43) trans-1,3-Dichloroprop...	8.945	79	52680	49.987	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.980%
47) 2-Hexanone-d5	9.384	63	85281	98.082	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.080%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	135036	45.988	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.980%
66) 1,2-Dichlorobenzene-d4	12.317	152	97824	45.914	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.820%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	6120	2.267	ug/L	96
3) Chloromethane	1.294	50	6123	2.219	ug/L	94
5) Vinyl chloride	1.374	62	6654	2.371	ug/L #	72
6) Bromomethane	1.593	94	2624	2.245	ug/L	90
8) Chloroethane	1.660	64	2776	2.223	ug/L #	69
9) Trichlorofluoromethane	1.867	101	8448	2.250	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.312	101	6665	2.978	ug/L	88
12) 1,1-Dichloroethene	2.306	96	5726	2.809	ug/L #	1
13) Acetone	2.379	43	7978	5.755	ug/L	94
14) Carbon disulfide	2.501	76	8593	1.984	ug/L #	88
15) Methyl Acetate	2.709	43	6471	2.495	ug/L	95
16) Methylene chloride	2.776	84	6129	2.565	ug/L	90
17) trans-1,2-Dichloroethene	3.087	96	4893	2.242	ug/L	90
18) Methyl tert-butyl Ether	3.111	73	17416	2.156	ug/L	100
19) 1,1-Dichloroethane	3.605	63	9209	2.118	ug/L	92
20) cis-1,2-Dichloroethene	4.483	96	5727	2.158	ug/L #	89
22) 2-Butanone	4.574	43	9527m	5.156	ug/L	
23) Bromochloromethane	4.891	128	2644m	1.936	ug/L	
27) 1,2-Dichloroethane	6.086	62	8440m	2.253	ug/L	

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29) Cyclohexane	5.458	56	8648	2.845	ug/L #	87
30) 1,1,1-Trichloroethane	5.373	97	8682	2.693	ug/L #	63
31) Carbon tetrachloride	5.665	117	6789	2.596	ug/L	96
33) Benzene	6.031	78	22432	2.872	ug/L	100
35) Methylcyclohexane	7.366	83	8878	3.029	ug/L	96
37) 1,2-Dichloropropane	7.427	63	5762	2.842	ug/L #	89
38) Bromodichloromethane	7.824	83	6041	2.376	ug/L #	88
39) cis-1,3-Dichloropropene	8.366	75	8588	2.688	ug/L	100
40) 4-Methyl-2-pentanone	8.573	43	14363	5.175	ug/L	99
42) Toluene	8.720	91	22237	2.825	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	7263	2.530	ug/L	97
45) 1,1,2-Trichloroethane	9.153	97	5613	2.816	ug/L	89
46) Tetrachloroethene	9.275	164	3517	2.518	ug/L	89
48) 2-Hexanone	9.433	43	13479	6.434	ug/L	92
49) Dibromochloromethane	9.518	129	4065	2.206	ug/L	93
50) 1,2-Dibromoethane	9.610	107	5471	2.605	ug/L #	93
51) Chlorobenzene	10.079	112	11656	2.387	ug/L	96
52) Ethylbenzene	10.195	91	19365	2.334	ug/L	99
53) m,p-Xylene	10.305	106	7163	2.325	ug/L	82
54) o-Xylene	10.640	106	7242	2.334	ug/L	99
55) Styrene	10.658	104	10481	2.041	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.213	83	7767	2.603	ug/L	98
59) Bromoform	10.799	173	2154	1.915	ug/L #	94
60) Isopropylbenzene	10.963	105	17561	2.220	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	5889	2.575	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	14019	2.243	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	14378	2.307	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	8035	2.421	ug/L	95
65) 1,4-Dichlorobenzene	12.042	146	8318	2.524	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	8612	2.506	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.945	75	1417	2.476	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.109	180	5279	2.465	ug/L	94
70) 1,2,4-trichlorobenzene	13.591	180	4722	2.392	ug/L	98
71) Naphthalene	13.780	128	17911	2.439	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5117	2.572	ug/L	94

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

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