

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111224\
 Data File : VX043819.D
 Acq On : 12 Nov 2024 18:36
 Operator : JC/MD
 Sample : P4786-16MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E27P5MS

Quant Time: Nov 13 02:09:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML110424WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 02:04:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/13/2024
 Supervised By :Mahesh Dadoda 11/18/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	267216	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	239737	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	119306	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	60348	42.392	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.780%		
7) Chloroethane-d5	1.642	69	40379m	65.989	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	131.980%#		
11) 1,1-Dichloroethene-d2	2.294	65	29700	45.194	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.380%		
21) 2-Butanone-d5	4.458	46	89005	95.491	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.490%		
24) Chloroform-d	5.050	84	158954	51.796	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.600%		
26) 1,2-Dichloroethane-d4	5.952	65	97652	50.090	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.180%		
32) Benzene-d6	5.970	84	297225	47.954	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.900%		
36) 1,2-Dichloropropane-d6	7.305	67	88022	46.678	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.360%		
41) Toluene-d8	8.647	98	279282	49.602	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.200%		
43) trans-1,3-Dichloroprop...	8.951	79	42754	47.409	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.820%		
47) 2-Hexanone-d5	9.384	63	72245	96.807	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.810%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	131764	54.460	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	108.920%		
66) 1,2-Dichlorobenzene-d4	12.317	152	114180	55.236	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.480%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	84150	44.714	ug/L	99
3) Chloromethane	1.294	50	73891	40.400	ug/L	97
5) Vinyl chloride	1.373	62	79540	44.397	ug/L	98
6) Bromomethane	1.593	94	43065	62.031	ug/L	94
8) Chloroethane	1.666	64	41935	66.529	ug/L	96
9) Trichlorofluoromethane	1.873	101	133553	58.743	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.318	101	83343	53.375	ug/L	96
12) 1,1-Dichloroethene	2.306	96	74330	52.146	ug/L	90
13) Acetone	2.386	43	66178	76.339	ug/L	96
14) Carbon disulfide	2.501	76	126805	40.241	ug/L	99
15) Methyl Acetate	2.703	43	69280	37.794	ug/L #	90
16) Methylene chloride	2.782	84	84812	49.248	ug/L	92
17) trans-1,2-Dichloroethene	3.087	96	74885	48.832	ug/L	91
18) Methyl tert-butyl Ether	3.117	73	274140	47.025	ug/L	98
19) 1,1-Dichloroethane	3.605	63	141638	46.904	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	95734	50.262	ug/L	91
22) 2-Butanone	4.562	43	101043	80.565	ug/L	99
23) Bromochloromethane	4.891	128	49812	52.026	ug/L	87
25) Chloroform	5.086	83	160296	49.467	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.080	62	115592	46.165	ug/L	97
29) Cyclohexane	5.464	56	113413	40.770	ug/L	91
30) 1,1,1-Trichloroethane	5.379	97	137055	47.192	ug/L	99
31) Carbon tetrachloride	5.678	117	117226	49.202	ug/L	98
33) Benzene	6.031	78	318587	46.622	ug/L	100
34) Trichloroethene	7.116	95	89146	48.525	ug/L	99
35) Methylcyclohexane	7.379	83	125091	45.575	ug/L	94
37) 1,2-Dichloropropane	7.427	63	82093	45.100	ug/L #	97
38) Bromodichloromethane	7.817	83	106734	46.102	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	134066	45.116	ug/L	98
40) 4-Methyl-2-pentanone	8.573	43	202756	81.838	ug/L	94
42) Toluene	8.714	91	348797	48.529	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	121011	44.659	ug/L	96
45) 1,1,2-Trichloroethane	9.153	97	94005	50.363	ug/L	96
46) Tetrachloroethene	9.268	164	70973	53.672	ug/L	95
48) 2-Hexanone	9.433	43	152340	82.260	ug/L	95
49) Dibromochloromethane	9.518	129	87437	50.258	ug/L	100
50) 1,2-Dibromoethane	9.610	107	97274	50.473	ug/L	97
51) Chlorobenzene	10.079	112	236133	50.270	ug/L	96
52) Ethylbenzene	10.189	91	382793	48.998	ug/L	98
53) m,p-Xylene	10.299	106	152571	50.591	ug/L	95
54) o-Xylene	10.640	106	154615	51.425	ug/L	92
55) Styrene	10.652	104	259748	51.935	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.213	83	136843	48.951	ug/L #	99
59) Bromoform	10.799	173	59518	47.694	ug/L	95
60) Isopropylbenzene	10.963	105	398017	48.113	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	102461	44.244	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	337815	48.582	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	331775	47.921	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	181963	50.006	ug/L	99
65) 1,4-Dichlorobenzene	12.042	146	181314	49.471	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	185547	49.897	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.945	75	22813	39.340	ug/L #	65
69) 1,3,5-Trichlorobenzene	13.109	180	122973	50.670	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	109034	48.998	ug/L	99
71) Naphthalene	13.774	128	398206	48.188	ug/L	99
72) 1,2,3-Trichlorobenzene	13.957	180	110741	48.152	ug/L	98

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

