

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040444.D
 Acq On : 23 Feb 2024 20:00
 Operator : JC/MD
 Sample : P1539-08MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20241107-AMENDED-COMPOSITE-35N-N-4-06MSD

Quant Time: Feb 23 22:25:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:47:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/26/2024
 Supervised By : Mahesh Dadoda 02/26/2024

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	75091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	136037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62128	50.803	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	101.600%		
35) Dibromofluoromethane	5.391	113	463	0.505	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	1.020%#		
50) Toluene-d8	8.647	98	155806	47.053	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.100%		
62) 4-Bromofluorobenzene	11.079	95	60860	45.867	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	45439	50.202	ug/l	96
3) Chloromethane	1.295	50	47791	46.707	ug/l	98
4) Vinyl Chloride	1.374	62	49542	48.544	ug/l	99
5) Bromomethane	1.599	94	10500	17.489	ug/l	96
6) Chloroethane	1.679	64	35870	58.318	ug/l	97
7) Trichlorofluoromethane	1.880	101	77090	47.345	ug/l	99
8) Diethyl Ether	2.136	74	29840	51.302	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	38767	45.058	ug/l	98
10) Methyl Iodide	2.453	142	24481	24.454	ug/l	97
11) Tert butyl alcohol	2.965	59	61876	261.753	ug/l #	89
12) 1,1-Dichloroethene	2.319	96	70740	85.247	ug/l	93
13) Acrolein	2.233	56	583	2.061	ug/l	86
14) Allyl chloride	2.660	41	59376	38.743	ug/l	97
15) Acrylonitrile	3.063	53	112347	202.713	ug/l	99
16) Acetone	2.380	43	137911	270.650	ug/l	96
17) Carbon Disulfide	2.508	76	25535	11.193	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	160999	54.414	ug/l	96
20) Methylene Chloride	2.788	84	52960	49.638	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	45190	48.262	ug/l	97
22) Diisopropyl ether	3.764	45	148868	49.142	ug/l #	75
23) Vinyl Acetate	3.764	43	80930	29.273	ug/l #	75
24) 1,1-Dichloroethane	3.605	63	91150	52.032	ug/l	99
25) 2-Butanone	4.556	43	207557	261.271	ug/l	97
26) 2,2-Dichloropropane	4.471	77	56115	49.076	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	52901	50.698	ug/l	97
28) Bromochloromethane	4.898	49	40839	49.981	ug/l	100
29) Tetrahydrofuran	5.001	42	141355	267.299	ug/l	98
30) Chloroform	5.093	83	94654	50.132	ug/l	97
31) Cyclohexane	5.471	56	65303	44.540	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	79234	50.691	ug/l	98
36) 1,1-Dichloropropene	5.690	75	64623	45.550	ug/l	98
38) Carbon Tetrachloride	5.678	117	61669	46.982	ug/l	98
39) Methylcyclohexane	7.379	83	68231	45.379	ug/l	98
40) Benzene	6.038	78	186605	48.349	ug/l	100
41) Methacrylonitrile	4.916	41	44487	51.687	ug/l	96
42) 1,2-Dichloroethane	6.086	62	82640	51.521	ug/l	99

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44) Trichloroethene	7.123	130	92734	91.868	ug/l	99
45) 1,2-Dichloropropane	7.434	63	51604	50.100	ug/l	98
46) Dibromomethane	7.580	93	38893	50.329	ug/l	99
47) Bromodichloromethane	7.824	83	37818	26.295	ug/l	94
49) 1,4-Dioxane	7.659	88	25526	1028.163	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	451856	267.495	ug/l	97
52) Toluene	8.720	92	116332	49.184	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	59762	41.216	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	38545	24.954	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	6133	6.056	ug/l	95
57) 1,3-Dichloropropane	9.305	76	86399	48.971	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	217636	280.488	ug/l	95
59) 2-Hexanone	9.427	43	345645	265.312	ug/l	99
60) Dibromochloromethane	9.519	129	35543	34.999	ug/l	100
61) 1,2-Dibromoethane	9.610	107	54044	49.649	ug/l	98
64) Tetrachloroethene	9.275	164	66110	73.346	ug/l	95
65) Chlorobenzene	10.080	112	121630	49.043	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	33187	38.265	ug/l	98
67) Ethyl Benzene	10.195	91	225949	48.566	ug/l	98
68) m/p-Xylenes	10.299	106	167046	98.468	ug/l	94
69) o-Xylene	10.640	106	82306	49.083	ug/l	93
70) Styrene	10.653	104	139715	50.544	ug/l	99
71) Bromoform	10.799	173	31876	45.461	ug/l #	98
73) Isopropylbenzene	10.964	105	210029	47.318	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	61044m	43.761	ug/l	
77) Bromobenzene	11.195	156	53787	49.592	ug/l	97
78) n-propylbenzene	11.305	91	258831	47.207	ug/l	98
79) 2-Chlorotoluene	11.366	91	157289	48.067	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	185024	49.066	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	4530	11.300	ug/l #	65
82) 4-Chlorotoluene	11.457	91	183290	47.794	ug/l	99
83) tert-Butylbenzene	11.713	119	147536	41.508	ug/l	88
84) 1,2,4-Trimethylbenzene	11.750	105	187632	49.314	ug/l	98
85) sec-Butylbenzene	11.890	105	222140	46.946	ug/l	99
86) p-Isopropyltoluene	12.006	119	182587	48.295	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	98159	47.320	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	99419	46.229	ug/l	98
89) n-Butylbenzene	12.329	91	173541	46.653	ug/l	96
90) Hexachloroethane	12.536	117	29282	48.362	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	98111	48.909	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2960	8.180	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	64596	50.019	ug/l	98
94) Hexachlorobutadiene	13.725	225	22813	48.774	ug/l	98
95) Naphthalene	13.774	128	240108	57.938	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	65663	52.810	ug/l	98

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

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