

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041924\
 Data File : VX041170.D
 Acq On : 19 Apr 2024 12:09
 Operator : JC/MD
 Sample : VX0419WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0419WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2024
 Supervised By : Mahesh Dadoda 04/22/2024

Quant Time: Apr 20 01:28:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 02:04:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	205437	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	282400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104963	47.323	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.640%		
35) Dibromofluoromethane	5.379	113	90913	48.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.380%		
50) Toluene-d8	8.647	98	320709	48.535	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.060%		
62) 4-Bromofluorobenzene	11.079	95	118504	47.243	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	29677	18.213	ug/l	97
3) Chloromethane	1.294	50	32249	17.808	ug/l	99
4) Vinyl Chloride	1.374	62	31240	15.051	ug/l	97
5) Bromomethane	1.599	94	18768	14.423	ug/l	97
6) Chloroethane	1.666	64	12682	9.257	ug/l	94
7) Trichlorofluoromethane	1.861	101	54486	16.724	ug/l	99
8) Diethyl Ether	2.136	74	20972	16.404	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.312	101	35032	18.497	ug/l #	86
10) Methyl Iodide	2.440	142	38538	19.370	ug/l	90
11) Tert butyl alcohol	3.038	59	38597m	88.951	ug/l	
12) 1,1-Dichloroethene	2.306	96	31816	17.547	ug/l	83
13) Acrolein	2.239	56	46606	85.406	ug/l	99
14) Allyl chloride	2.654	41	50939	17.371	ug/l #	95
15) Acrylonitrile	3.068	53	99719	92.818	ug/l	98
16) Acetone	2.392	43	79944	85.752	ug/l	93
17) Carbon Disulfide	2.501	76	52508	12.722	ug/l	98
18) Methyl Acetate	2.709	43	49832	21.410	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	111964	19.978	ug/l	99
20) Methylene Chloride	2.782	84	36680	18.439	ug/l	91
21) trans-1,2-Dichloroethene	3.081	96	31737	17.064	ug/l	88
22) Diisopropyl ether	3.763	45	112205	19.980	ug/l	91
23) Vinyl Acetate	3.721	43	488507	95.984	ug/l	96
24) 1,1-Dichloroethane	3.605	63	60831	18.501	ug/l	96
25) 2-Butanone	4.568	43	133603	91.210	ug/l	97
26) 2,2-Dichloropropane	4.471	77	48974	18.765	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	41044	18.267	ug/l	88
28) Bromochloromethane	4.891	49	23949	16.878	ug/l #	72
29) Tetrahydrofuran	5.013	42	88835	91.609	ug/l	93
30) Chloroform	5.086	83	65598	18.360	ug/l	99
31) Cyclohexane	5.458	56	50186	18.266	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	55967	17.849	ug/l	97
36) 1,1-Dichloropropene	5.684	75	40808	17.086	ug/l	95
37) Ethyl Acetate	4.721	43	54513	19.113	ug/l	99
38) Carbon Tetrachloride	5.672	117	47273	17.070	ug/l	97
39) Methylcyclohexane	7.373	83	55415	18.491	ug/l	91
40) Benzene	6.031	78	137258	18.827	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	28092	18.794	ug/l	92
42) 1,2-Dichloroethane	6.080	62	50310	19.258	ug/l	95
43) Isopropyl Acetate	6.342	43	80977	19.119	ug/l	97
44) Trichloroethene	7.123	130	38060	17.576	ug/l	88
45) 1,2-Dichloropropane	7.427	63	33097	19.118	ug/l	100
46) Dibromomethane	7.580	93	25369	18.638	ug/l #	78
47) Bromodichloromethane	7.818	83	46337	17.489	ug/l	97
48) Methyl methacrylate	7.696	41	39794	19.249	ug/l	92
49) 1,4-Dioxane	7.677	88	14154	292.988	ug/l #	82
51) 4-Methyl-2-Pentanone	8.580	43	275609	95.789	ug/l	98
52) Toluene	8.714	92	89887	18.887	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	44256	17.416	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	49727	17.812	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	37084	19.407	ug/l	96
56) Ethyl methacrylate	9.116	69	55139	17.925	ug/l	94
57) 1,3-Dichloropropane	9.305	76	60189	19.330	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	138201	102.837	ug/l	92
59) 2-Hexanone	9.433	43	212160	95.320	ug/l	96
60) Dibromochloromethane	9.518	129	39879	17.254	ug/l	99
61) 1,2-Dibromoethane	9.610	107	38312	18.355	ug/l	99
64) Tetrachloroethene	9.269	164	38274	19.097	ug/l	92
65) Chlorobenzene	10.079	112	103668	18.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	36628	19.234	ug/l	97
67) Ethyl Benzene	10.195	91	165929	19.101	ug/l	99
68) m/p-Xylenes	10.299	106	128399	37.161	ug/l	93
69) o-Xylene	10.640	106	66165	19.672	ug/l	93
70) Styrene	10.652	104	111093	19.452	ug/l	94
71) Bromoform	10.799	173	31098	17.337	ug/l #	98
73) Isopropylbenzene	10.963	105	173247	21.047	ug/l	96
74) N-amyl acetate	10.841	43	69061	21.149	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	57816	21.405	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	46065m	20.256	ug/l	
77) Bromobenzene	11.195	156	49701	20.566	ug/l	77
78) n-propylbenzene	11.305	91	184846	20.024	ug/l	96
79) 2-Chlorotoluene	11.366	91	117880	20.948	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	144181	21.027	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	13916	17.545	ug/l	99
82) 4-Chlorotoluene	11.457	91	131891	20.129	ug/l	93
83) tert-Butylbenzene	11.713	119	153511	20.991	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	143744	21.005	ug/l	93
85) sec-Butylbenzene	11.890	105	178774	20.373	ug/l	95
86) p-Isopropyltoluene	12.006	119	157670	20.246	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	88293	19.367	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	88532	18.414	ug/l	96
89) n-Butylbenzene	12.335	91	105827	16.018	ug/l	97
90) Hexachloroethane	12.536	117	21970	16.660	ug/l #	57
91) 1,2-Dichlorobenzene	12.335	146	82678	18.275	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10389	17.733	ug/l	60
93) 1,2,4-Trichlorobenzene	13.585	180	56740	16.688	ug/l	94
94) Hexachlorobutadiene	13.725	225	28325	17.475	ug/l	97
95) Naphthalene	13.774	128	165484	18.020	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	59198	17.534	ug/l	95

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

