

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042924\
 Data File : VX041277.D
 Acq On : 29 Apr 2024 15:54
 Operator : JC/MD
 Sample : VX0429WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBS01

Quant Time: Apr 30 02:11:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/30/2024
 Supervised By : Mahesh Dadoda 04/30/2024

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	194309	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.756	114	267089	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95106	51.418	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.840%			
35) Dibromofluoromethane	5.385	113	80574	49.594	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.180%			
50) Toluene-d8	8.646	98	267680	48.834	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.660%			
62) 4-Bromofluorobenzene	11.079	95	106328	52.554	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.100%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	23285	15.151	ug/l	94
3) Chloromethane	1.300	50	23006	13.826	ug/l	99
4) Vinyl Chloride	1.373	62	23909	14.369	ug/l	98
5) Bromomethane	1.593	94	15500	16.544	ug/l	94
6) Chloroethane	1.666	64	12565	19.877	ug/l	96
7) Trichlorofluoromethane	1.867	101	47592	18.459	ug/l	97
8) Diethyl Ether	2.135	74	17726	18.682	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.312	101	26179	17.258	ug/l	# 85
10) Methyl Iodide	2.440	142	21732	11.880	ug/l	89
11) Tert butyl alcohol	3.001	59	35991m	108.613	ug/l	
12) 1,1-Dichloroethene	2.306	96	23884	16.866	ug/l	87
13) Acrolein	2.239	56	24977	67.192	ug/l	98
14) Allyl chloride	2.660	41	41222	17.919	ug/l	98
15) Acrylonitrile	3.068	53	79221	93.559	ug/l	98
16) Acetone	2.391	43	78504	116.600	ug/l	94
17) Carbon Disulfide	2.501	76	47551	16.075	ug/l	97
18) Methyl Acetate	2.708	43	37662	18.910	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	88331	17.449	ug/l	100
20) Methylene Chloride	2.782	84	27958	17.003	ug/l	94
21) trans-1,2-Dichloroethene	3.086	96	23985	15.327	ug/l	92
22) Diisopropyl ether	3.763	45	85347	17.160	ug/l	97
23) Vinyl Acetate	3.720	43	390382	91.747	ug/l	96
24) 1,1-Dichloroethane	3.605	63	46647	16.778	ug/l	96
25) 2-Butanone	4.568	43	112914	98.201	ug/l	95
26) 2,2-Dichloropropane	4.470	77	40714	17.327	ug/l	97
27) cis-1,2-Dichloroethene	4.482	96	31469	16.224	ug/l	90
28) Bromochloromethane	4.903	49	20567	19.493	ug/l	# 80
29) Tetrahydrofuran	5.013	42	72204	92.176	ug/l	93
30) Chloroform	5.092	83	51141	17.137	ug/l	97
31) Cyclohexane	5.464	56	37007	14.866	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	45556	17.029	ug/l	98
36) 1,1-Dichloropropene	5.684	75	32591	15.678	ug/l	95
37) Ethyl Acetate	4.720	43	43709	19.164	ug/l	99
38) Carbon Tetrachloride	5.671	117	38967	16.783	ug/l	98
39) Methylcyclohexane	7.378	83	39987	14.502	ug/l	91
40) Benzene	6.031	78	101642	15.832	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	23503	19.794	ug/l	95
42) 1,2-Dichloroethane	6.086	62	39705	17.837	ug/l	96
43) Isopropyl Acetate	6.342	43	66731	18.163	ug/l	98
44) Trichloroethene	7.122	130	29645	15.882	ug/l	88
45) 1,2-Dichloropropane	7.427	63	24346	15.816	ug/l	93
46) Dibromomethane	7.580	93	19483	16.974	ug/l #	76
47) Bromodichloromethane	7.823	83	37114	17.542	ug/l	96
48) Methyl methacrylate	7.695	41	32368	18.626	ug/l	94
49) 1,4-Dioxane	7.671	88	13869	370.797	ug/l #	88
51) 4-Methyl-2-Pentanone	8.573	43	230802	100.363	ug/l	99
52) Toluene	8.720	92	72316	17.876	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	36018	17.355	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	39479	16.734	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	28297	17.926	ug/l	97
56) Ethyl methacrylate	9.116	69	43865	18.177	ug/l	98
57) 1,3-Dichloropropane	9.311	76	45053	17.242	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	75480	64.266	ug/l	93
59) 2-Hexanone	9.433	43	186875	105.969	ug/l	98
60) Dibromochloromethane	9.518	129	32420	17.792	ug/l	99
61) 1,2-Dibromoethane	9.610	107	29347	17.328	ug/l	99
64) Tetrachloroethene	9.274	164	28492	15.351	ug/l #	88
65) Chlorobenzene	10.079	112	80261	16.114	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	29066	17.037	ug/l	98
67) Ethyl Benzene	10.195	91	129503	16.293	ug/l	97
68) m/p-Xylenes	10.299	106	103685	32.314	ug/l	95
69) o-Xylene	10.640	106	51900	16.631	ug/l	93
70) Styrene	10.658	104	86200	16.978	ug/l	96
71) Bromoform	10.798	173	25994	17.822	ug/l #	98
73) Isopropylbenzene	10.963	105	135932	15.763	ug/l	96
74) N-amyl acetate	10.841	43	61908	18.267	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	47255	17.377	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	37447m	16.770	ug/l	
77) Bromobenzene	11.201	156	39106	15.584	ug/l	77
78) n-propylbenzene	11.304	91	148043	15.899	ug/l	96
79) 2-Chlorotoluene	11.365	91	92841	15.756	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	113840	15.868	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	12435	15.711	ug/l	99
82) 4-Chlorotoluene	11.457	91	105008	15.726	ug/l	92
83) tert-Butylbenzene	11.713	119	126837	16.510	ug/l	91
84) 1,2,4-Trimethylbenzene	11.749	105	115772	16.259	ug/l	93
85) sec-Butylbenzene	11.890	105	144701	16.311	ug/l	94
86) p-Isopropyltoluene	12.006	119	128457	16.431	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	72029	15.979	ug/l	94
88) 1,4-Dichlorobenzene	12.042	146	73293	15.847	ug/l	96
89) n-Butylbenzene	12.335	91	99091	16.693	ug/l	97
90) Hexachloroethane	12.536	117	20254	15.705	ug/l #	58
91) 1,2-Dichlorobenzene	12.335	146	74212	16.437	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.944	75	10485	18.375	ug/l #	54
93) 1,2,4-Trichlorobenzene	13.591	180	53561	17.110	ug/l	95
94) Hexachlorobutadiene	13.725	225	25809	16.137	ug/l	99
95) Naphthalene	13.774	128	162254	18.040	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	56149	17.029	ug/l	95

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

