

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101422\
 Data File : VX032128.D
 Acq On : 14 Oct 2022 12:34
 Operator : JC/MD
 Sample : VX1014WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1014WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2022
 Supervised By : Mahesh Dadoda 10/17/2022

Quant Time: Oct 17 02:22:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	78689	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	119104	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	97604	60.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.120%			
35) Dibromofluoromethane	5.379	113	73543	54.549	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.100%			
50) Toluene-d8	8.647	98	262017	54.010	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.020%			
62) 4-Bromofluorobenzene	11.079	95	83200	48.512	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22637	19.330	ug/l	95
3) Chloromethane	1.288	50	20454	16.679	ug/l	99
4) Vinyl Chloride	1.367	62	24324	16.973	ug/l	96
5) Bromomethane	1.611	94	18111	17.149	ug/l	100
6) Chloroethane	1.685	64	16875	13.837	ug/l	96
7) Trichlorofluoromethane	1.886	101	40400	15.683	ug/l	99
8) Diethyl Ether	2.130	74	14385	16.382	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	25872	19.870	ug/l	93
10) Methyl Iodide	2.453	142	21926	18.393	ug/l	93
11) Tert butyl alcohol	2.983	59	21707	107.360	ug/l	98
12) 1,1-Dichloroethene	2.319	96	21685	18.092	ug/l	94
13) Acrolein	2.239	56	9324	68.672	ug/l	95
14) Allyl chloride	2.660	41	36085	21.159	ug/l	96
15) Acrylonitrile	3.062	53	63502	98.522	ug/l	99
16) Acetone	2.386	43	59955	108.554	ug/l	100
17) Carbon Disulfide	2.508	76	41679	16.193	ug/l	100
18) Methyl Acetate	2.703	43	39964	21.930	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	86299	21.456	ug/l	96
20) Methylene Chloride	2.788	84	26442	18.219	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	23947	18.041	ug/l	97
22) Diisopropyl ether	3.757	45	82218	21.445	ug/l	94
23) Vinyl Acetate	3.721	43	322040	112.372	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47181	20.529	ug/l	98
25) 2-Butanone	4.556	43	91479	105.954	ug/l	99
26) 2,2-Dichloropropane	4.471	77	38244	23.167	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	29451	18.543	ug/l	97
28) Bromochloromethane	4.891	49	24034	24.432	ug/l	91
29) Tetrahydrofuran	5.007	42	55239	99.159	ug/l	97
30) Chloroform	5.092	83	54090	21.129	ug/l	98
31) Cyclohexane	5.464	56	37506	19.319	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	46596	21.419	ug/l	99
36) 1,1-Dichloropropene	5.690	75	36977	20.683	ug/l	99
37) Ethyl Acetate	4.714	43	36692	21.800	ug/l	97
38) Carbon Tetrachloride	5.672	117	40101	21.938	ug/l	99
39) Methylcyclohexane	7.379	83	42550	19.954	ug/l	94
40) Benzene	6.031	78	103018	19.679	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20262	23.151	ug/l	98
42) 1,2-Dichloroethane	6.086	62	44957	23.567	ug/l	100
43) Isopropyl Acetate	6.336	43	58617	22.954	ug/l	99
44) Trichloroethene	7.123	130	28699	18.697	ug/l	97
45) 1,2-Dichloropropane	7.427	63	27647	21.490	ug/l	96
46) Dibromomethane	7.580	93	20908	20.970	ug/l	97
47) Bromodichloromethane	7.818	83	39687	23.042	ug/l	97
48) Methyl methacrylate	7.696	41	29629	24.281	ug/l	98
49) 1,4-Dioxane	7.683	88	10695	341.957	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	188815	111.575	ug/l	100
52) Toluene	8.714	92	68899	20.129	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	38365	21.400	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	42643	22.861	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	29116	20.154	ug/l	97
56) Ethyl methacrylate	9.116	69	41313	22.310	ug/l	96
57) 1,3-Dichloropropane	9.311	76	48447	20.869	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	98696	103.250	ug/l	96
59) 2-Hexanone	9.433	43	141325	113.261	ug/l	100
60) Dibromochloromethane	9.518	129	28696	21.705	ug/l	96
61) 1,2-Dibromoethane	9.610	107	29834	20.536	ug/l	97
64) Tetrachloroethene	9.275	164	28280	19.095	ug/l	98
65) Chlorobenzene	10.079	112	76054	19.134	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	28579	20.779	ug/l	97
67) Ethyl Benzene	10.195	91	137034	20.379	ug/l	99
68) m/p-Xylenes	10.299	106	104785	39.214	ug/l	96
69) o-Xylene	10.640	106	50477	19.435	ug/l	95
70) Styrene	10.652	104	84848	20.435	ug/l	97
71) Bromoform	10.799	173	18988	21.089	ug/l #	99
73) Isopropylbenzene	10.963	105	140861	25.097	ug/l	97
74) N-amyl acetate	10.841	43	49821	29.068	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	33658	18.875	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30671m	20.110	ug/l	
77) Bromobenzene	11.195	156	27810	20.115	ug/l	95
78) n-propylbenzene	11.305	91	128544	20.136	ug/l	99
79) 2-Chlorotoluene	11.366	91	74458	19.382	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	93560	20.099	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9431	23.961	ug/l #	72
82) 4-Chlorotoluene	11.457	91	87181	19.815	ug/l	98
83) tert-Butylbenzene	11.713	119	91166	19.788	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	92962	19.659	ug/l	99
85) sec-Butylbenzene	11.890	105	121699	21.336	ug/l	99
86) p-Isopropyltoluene	12.012	119	101128	21.058	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	51003	19.375	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	51529	19.018	ug/l	97
89) n-Butylbenzene	12.335	91	88445	21.993	ug/l	98
90) Hexachloroethane	12.536	117	14396	19.667	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	50042	19.120	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6534	20.017	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	32889	20.705	ug/l	98
94) Hexachlorobutadiene	13.725	225	13695	21.316	ug/l	100
95) Naphthalene	13.780	128	110474	20.296	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	32597	20.231	ug/l	98

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

