

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092822\
 Data File : VX031744.D
 Acq On : 28 Sep 2022 23:03
 Operator : JC/MD
 Sample : VX0928WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/29/2022
 Supervised By : Mahesh Dadoda 09/30/2022

Quant Time: Sep 29 04:35:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	67231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	105540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69604	48.779	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.560%		
35) Dibromofluoromethane	5.391	113	60690	48.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.520%		
50) Toluene-d8	8.646	98	216800	47.554	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.100%		
62) 4-Bromofluorobenzene	11.079	95	82420	49.324	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	16251	19.862	ug/l	97
3) Chloromethane	1.288	50	16116	20.455	ug/l	95
4) Vinyl Chloride	1.373	62	21879	19.430	ug/l	100
5) Bromomethane	1.611	94	20595	16.488	ug/l	96
6) Chloroethane	1.690	64	20330	14.344	ug/l	90
7) Trichlorofluoromethane	1.886	101	50532	16.200	ug/l	97
8) Diethyl Ether	2.135	74	16186	18.085	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	19861	22.224	ug/l	92
10) Methyl Iodide	2.452	142	20417	23.308	ug/l	97
11) Tert butyl alcohol	3.001	59	20237	92.101	ug/l	99
12) 1,1-Dichloroethene	2.318	96	16995	23.272	ug/l	88
13) Acrolein	2.239	56	7426	66.133	ug/l	97
14) Allyl chloride	2.666	41	23150	19.689	ug/l #	92
15) Acrylonitrile	3.068	53	51413	103.819	ug/l	99
16) Acetone	2.392	43	42662	119.177	ug/l	95
17) Carbon Disulfide	2.507	76	31491	20.110	ug/l	97
18) Methyl Acetate	2.709	43	27176	21.194	ug/l #	90
19) Methyl tert-butyl Ether	3.111	73	66426	20.930	ug/l	98
20) Methylene Chloride	2.788	84	23073	24.714	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	20754	21.007	ug/l	89
22) Diisopropyl ether	3.763	45	57474	18.992	ug/l #	94
23) Vinyl Acetate	3.721	43	230674	96.385	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	36449	20.892	ug/l	98
25) 2-Butanone	4.562	43	68165	100.080	ug/l #	89
26) 2,2-Dichloropropane	4.476	77	24358	17.202	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	25710	21.248	ug/l	85
28) Bromochloromethane	4.891	49	15782	19.338	ug/l #	74
29) Tetrahydrofuran	5.013	42	40853	95.480	ug/l #	81
30) Chloroform	5.092	83	44269	20.626	ug/l	99
31) Cyclohexane	5.464	56	27416	20.207	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	38187	21.482	ug/l	96
36) 1,1-Dichloropropene	5.696	75	28756	19.912	ug/l	97
37) Ethyl Acetate	4.720	43	27333	18.764	ug/l	96
38) Carbon Tetrachloride	5.678	117	33596	20.642	ug/l	96
39) Methylcyclohexane	7.385	83	31507	19.148	ug/l	88
40) Benzene	6.043	78	88304	19.908	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	13838	18.669	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	34203	19.938	ug/l	97
43) Isopropyl Acetate	6.342	43	42901	18.712	ug/l #	95
44) Trichloroethene	7.128	130	25821	20.610	ug/l	86
45) 1,2-Dichloropropane	7.427	63	21644	20.106	ug/l	96
46) Dibromomethane	7.580	93	17690	20.462	ug/l	93
47) Bromodichloromethane	7.823	83	32033	20.533	ug/l	97
48) Methyl methacrylate	7.695	41	20135	19.969	ug/l	89
49) 1,4-Dioxane	7.702	88	11895	462.650	ug/l	89
51) 4-Methyl-2-Pentanone	8.573	43	143247	98.710	ug/l	93
52) Toluene	8.720	92	60985	20.626	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	28619	17.170	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	32479	20.033	ug/l	92
55) 1,1,2-Trichloroethane	9.152	97	25339	19.905	ug/l	97
56) Ethyl methacrylate	9.116	69	33191	20.379	ug/l	89
57) 1,3-Dichloropropane	9.311	76	40662	20.170	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	74843	93.322	ug/l #	89
59) 2-Hexanone	9.433	43	105687	97.610	ug/l	94
60) Dibromochloromethane	9.524	129	25500	18.168	ug/l	99
61) 1,2-Dibromoethane	9.610	107	27327	21.148	ug/l	100
64) Tetrachloroethene	9.274	164	25205	19.513	ug/l	97
65) Chlorobenzene	10.079	112	69574	20.665	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	25287	20.875	ug/l	99
67) Ethyl Benzene	10.195	91	115251	20.123	ug/l	95
68) m/p-Xylenes	10.299	106	94132	40.906	ug/l	96
69) o-Xylene	10.640	106	47218	20.993	ug/l	95
70) Styrene	10.658	104	76438	20.878	ug/l	97
71) Bromoform	10.799	173	17130	17.945	ug/l #	98
73) Isopropylbenzene	10.963	105	121168	20.428	ug/l	99
74) N-amyl acetate	10.847	43	36118	18.772	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	38497	20.426	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	33416m	20.096	ug/l	
77) Bromobenzene	11.201	156	30148	19.993	ug/l	94
78) n-propylbenzene	11.305	91	138279	20.950	ug/l	98
79) 2-Chlorotoluene	11.366	91	84182	20.654	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	107168	21.314	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7460	17.383	ug/l #	84
82) 4-Chlorotoluene	11.457	91	98108	20.835	ug/l	98
83) tert-Butylbenzene	11.713	119	103646	21.376	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	105759	21.250	ug/l	97
85) sec-Butylbenzene	11.890	105	128630	20.874	ug/l	99
86) p-Isopropyltoluene	12.012	119	109650	20.634	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	59503	20.355	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	62242	20.341	ug/l	99
89) n-Butylbenzene	12.335	91	87722	20.208	ug/l	98
90) Hexachloroethane	12.542	117	16493	19.356	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	60155	20.549	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	8082	21.400	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	34413	20.102	ug/l	98
94) Hexachlorobutadiene	13.725	225	13846	20.741	ug/l	99
95) Naphthalene	13.774	128	126129	22.057	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	35973	20.475	ug/l	99

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

