

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092822\
 Data File : VX031720.D
 Acq On : 28 Sep 2022 12:28
 Operator : JC/MD
 Sample : VX0928WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0928WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Sep 29 04:30:01 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	5.556	168	67555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	102955	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	114882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75953	52.973	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.940%			
35) Dibromofluoromethane	5.385	113	64577	52.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.280%			
50) Toluene-d8	8.647	98	227385	51.128	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.260%			
62) 4-Bromofluorobenzene	11.079	95	87197	53.493	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	14843	18.054	ug/l	96
3) Chloromethane	1.288	50	15396	19.282	ug/l	95
4) Vinyl Chloride	1.368	62	20563	18.174	ug/l	96
5) Bromomethane	1.611	94	21536	17.426	ug/l	94
6) Chloroethane	1.685	64	20063	14.067	ug/l	95
7) Trichlorofluoromethane	1.886	101	49959	15.912	ug/l	98
8) Diethyl Ether	2.130	74	17209	19.372	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.331	101	19790	22.038	ug/l	91
10) Methyl Iodide	2.453	142	18582	21.111	ug/l	96
11) Tert butyl alcohol	3.008	59	18702	82.074	ug/l #	87
12) 1,1-Dichloroethene	2.319	96	16967	23.104	ug/l	88
13) Acrolein	2.239	56	7647	68.575	ug/l	91
14) Allyl chloride	2.666	41	23936	20.259	ug/l	94
15) Acrylonitrile	3.069	53	50270	101.024	ug/l	99
16) Acetone	2.392	43	40113	110.197	ug/l #	88
17) Carbon Disulfide	2.508	76	31953	20.322	ug/l	99
18) Methyl Acetate	2.703	43	25883	20.089	ug/l #	89
19) Methyl tert-butyl Ether	3.111	73	67676	21.222	ug/l	95
20) Methylene Chloride	2.788	84	21438	22.721	ug/l #	86
21) trans-1,2-Dichloroethene	3.087	96	19606	19.749	ug/l	93
22) Diisopropyl ether	3.757	45	58829	19.347	ug/l #	87
23) Vinyl Acetate	3.721	43	236710	98.432	ug/l #	94
24) 1,1-Dichloroethane	3.605	63	35766	20.402	ug/l	98
25) 2-Butanone	4.562	43	65953	96.368	ug/l	96
26) 2,2-Dichloropropane	4.471	77	28740	20.199	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	24937	20.510	ug/l	87
28) Bromochloromethane	4.904	49	15207	18.544	ug/l #	75
29) Tetrahydrofuran	5.007	42	41514	96.560	ug/l #	85
30) Chloroform	5.093	83	43858	20.337	ug/l	100
31) Cyclohexane	5.464	56	27060	19.849	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	37885	21.210	ug/l	98
36) 1,1-Dichloropropene	5.690	75	28281	20.074	ug/l	97
37) Ethyl Acetate	4.715	43	27602	19.424	ug/l	97
38) Carbon Tetrachloride	5.678	117	33031	20.804	ug/l	97
39) Methylcyclohexane	7.379	83	32880	20.484	ug/l	91
40) Benzene	6.038	78	84369	19.499	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	14479	20.024	ug/l	93
42) 1,2-Dichloroethane	6.086	62	34676	20.722	ug/l	100
43) Isopropyl Acetate	6.342	43	42231	18.882	ug/l #	94
44) Trichloroethene	7.123	130	25729	21.052	ug/l	85
45) 1,2-Dichloropropane	7.434	63	20966	19.965	ug/l	100
46) Dibromomethane	7.580	93	17396	20.627	ug/l	94
47) Bromodichloromethane	7.824	83	31765	20.873	ug/l	99
48) Methyl methacrylate	7.696	41	20473	20.815	ug/l	91
49) 1,4-Dioxane	7.708	88	10702	423.340	ug/l	90
51) 4-Methyl-2-Pentanone	8.574	43	141419	99.897	ug/l	95
52) Toluene	8.720	92	58430	20.258	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	29876	18.242	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32886	20.794	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	25550	20.575	ug/l	97
56) Ethyl methacrylate	9.116	69	33093	20.829	ug/l	92
57) 1,3-Dichloropropane	9.311	76	40268	20.476	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	74425	95.131	ug/l	90
59) 2-Hexanone	9.433	43	104452	98.891	ug/l	92
60) Dibromochloromethane	9.519	129	25346	18.483	ug/l	98
61) 1,2-Dibromoethane	9.610	107	26654	21.145	ug/l	98
64) Tetrachloroethene	9.275	164	24773	20.175	ug/l	93
65) Chlorobenzene	10.079	112	66290	20.712	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	24668	21.421	ug/l	99
67) Ethyl Benzene	10.195	91	113248	20.800	ug/l	100
68) m/p-Xylenes	10.299	106	91918	42.018	ug/l	98
69) o-Xylene	10.640	106	44279	20.708	ug/l	99
70) Styrene	10.653	104	73829	21.212	ug/l	99
71) Bromoform	10.799	173	16637	18.285	ug/l #	98
73) Isopropylbenzene	10.963	105	121216	21.717	ug/l	98
74) N-amyl acetate	10.842	43	36360	20.082	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	37700	21.257	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	33750m	21.570	ug/l	
77) Bromobenzene	11.201	156	29890	21.065	ug/l	93
78) n-propylbenzene	11.305	91	137510	22.139	ug/l	100
79) 2-Chlorotoluene	11.366	91	82782	21.583	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	103714	21.920	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8301	19.999	ug/l	88
82) 4-Chlorotoluene	11.457	91	97441	21.991	ug/l	98
83) tert-Butylbenzene	11.713	119	98731	21.639	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	105686	22.566	ug/l	99
85) sec-Butylbenzene	11.890	105	126467	21.810	ug/l	100
86) p-Isopropyltoluene	12.012	119	110075	22.013	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	56952	20.704	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	61148	21.237	ug/l	98
89) n-Butylbenzene	12.335	91	89568	21.927	ug/l	100
90) Hexachloroethane	12.536	117	16365	20.409	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	59969	21.769	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7849	22.086	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	35514	22.045	ug/l	98
94) Hexachlorobutadiene	13.725	225	14220	22.637	ug/l	98
95) Naphthalene	13.774	128	119411	22.191	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	35228	21.308	ug/l	98

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

