

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051922\
 Data File : VX028821.D
 Acq On : 19 May 2022 13:36
 Operator : JC/MD
 Sample : VX0519WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0519WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/20/2022
 Supervised By : Mahesh Dadoda 05/20/2022

Quant Time: May 20 01:46:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	195461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	328324	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	301129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145586	54.337	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.680%			
35) Dibromofluoromethane	5.391	113	120202	55.879	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 111.760%			
50) Toluene-d8	8.653	98	434693	53.599	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.200%			
62) 4-Bromofluorobenzene	11.079	95	161751	53.397	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	47073	18.392	ug/l	98
3) Chloromethane	1.288	50	46114	19.132	ug/l	99
4) Vinyl Chloride	1.374	62	51451	19.808	ug/l	98
5) Bromomethane	1.599	94	36294	15.996	ug/l	94
6) Chloroethane	1.685	64	35368	20.309	ug/l	99
7) Trichlorofluoromethane	1.886	101	95273	23.006	ug/l	100
8) Diethyl Ether	2.136	74	34164	22.640	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	43985	20.183	ug/l	96
10) Methyl Iodide	2.453	142	48735	18.679	ug/l	94
11) Tert butyl alcohol	2.965	59	61115	102.783	ug/l	96
12) 1,1-Dichloroethene	2.319	96	41095	20.315	ug/l	98
13) Acrolein	2.233	56	35616	80.986	ug/l	98
14) Allyl chloride	2.666	41	64306	19.820	ug/l	90
15) Acrylonitrile	3.062	53	135568	105.018	ug/l	100
16) Acetone	2.380	43	118075	102.683	ug/l	94
17) Carbon Disulfide	2.514	76	94755	18.070	ug/l	99
18) Methyl Acetate	2.703	43	62441	21.681	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	147985	20.615	ug/l	100
20) Methylene Chloride	2.788	84	47467	19.676	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	45053	19.772	ug/l	97
22) Diisopropyl ether	3.763	45	140840	20.313	ug/l	91
23) Vinyl Acetate	3.721	43	614923	102.878	ug/l	96
24) 1,1-Dichloroethane	3.611	63	82553	20.480	ug/l	99
25) 2-Butanone	4.556	43	187052	103.632	ug/l	98
26) 2,2-Dichloropropane	4.483	77	61401	19.428	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	52918	19.884	ug/l	99
28) Bromochloromethane	4.897	49	33195	19.565	ug/l	95
29) Tetrahydrofuran	5.007	42	119625	101.960	ug/l	94
30) Chloroform	5.099	83	89489	20.514	ug/l	98
31) Cyclohexane	5.470	56	69417	18.665	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	76991	20.216	ug/l	98
36) 1,1-Dichloropropene	5.696	75	63711	19.719	ug/l	100
37) Ethyl Acetate	4.715	43	70655	20.937	ug/l	97
38) Carbon Tetrachloride	5.678	117	65210	20.055	ug/l	93
39) Methylcyclohexane	7.385	83	72712	19.624	ug/l	96
40) Benzene	6.044	78	186741	20.111	ug/l	99

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41) Methacrylonitrile	4.928	41	36798	20.337	ug/l	93
42) 1,2-Dichloroethane	6.092	62	71763	20.952	ug/l	97
43) Isopropyl Acetate	6.342	43	106840	20.237	ug/l	94
44) Trichloroethene	7.129	130	50806	20.174	ug/l	96
45) 1,2-Dichloropropane	7.434	63	47216	20.380	ug/l	95
46) Dibromomethane	7.580	93	35136	20.308	ug/l	92
47) Bromodichloromethane	7.824	83	66021	20.553	ug/l	99
48) Methyl methacrylate	7.696	41	51638	20.247	ug/l #	88
49) 1,4-Dioxane	7.665	88	26928	422.641	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	368460	105.953	ug/l	94
52) Toluene	8.720	92	123175	20.621	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	77120	21.813	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	72691	20.112	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	59398	24.386	ug/l	98
56) Ethyl methacrylate	9.116	69	84773	22.983	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	101810	24.782	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	184564	102.203	ug/l	98
59) 2-Hexanone	9.433	43	313549	116.051	ug/l	90
60) Dibromochloromethane	9.525	129	54638	23.001	ug/l	97
61) 1,2-Dibromoethane	9.610	107	53668	20.978	ug/l	98
64) Tetrachloroethene	9.275	164	55711	24.499	ug/l	92
65) Chlorobenzene	10.079	112	131162	20.532	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	47341	20.920	ug/l	99
67) Ethyl Benzene	10.195	91	233551	20.397	ug/l	99
68) m/p-Xylenes	10.305	106	180936	40.588	ug/l	97
69) o-Xylene	10.646	106	88681	20.205	ug/l	98
70) Styrene	10.659	104	148037	20.770	ug/l	98
71) Bromoform	10.799	173	33672	19.141	ug/l #	99
73) Isopropylbenzene	10.963	105	233263	20.461	ug/l	99
74) N-amyl acetate	10.841	43	89005	19.861	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	82961	21.212	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	72693m	20.648	ug/l	
77) Bromobenzene	11.201	156	55275	20.492	ug/l	96
78) n-propylbenzene	11.305	91	268748	20.380	ug/l	100
79) 2-Chlorotoluene	11.366	91	163403	20.217	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	196860	20.724	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19656	19.237	ug/l #	78
82) 4-Chlorotoluene	11.457	91	188134	20.135	ug/l	100
83) tert-Butylbenzene	11.719	119	194346	21.131	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	196311	20.609	ug/l	99
85) sec-Butylbenzene	11.890	105	236694	20.864	ug/l	100
86) p-Isopropyltoluene	12.012	119	199165	20.921	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	105967	20.029	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	108758	19.818	ug/l	97
89) n-Butylbenzene	12.335	91	166049	20.131	ug/l	98
90) Hexachloroethane	12.542	117	30942	20.099	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	107040	20.595	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18316	21.933	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	66587	22.182	ug/l	99
94) Hexachlorobutadiene	13.725	225	29538	24.221	ug/l	92
95) Naphthalene	13.780	128	254936	23.865	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	73153	24.263	ug/l	95

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

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