

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028698.D
 Acq On : 13 May 2022 23:52
 Operator : JC/MD
 Sample : VX0513WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/16/2022
 Supervised By : Mahesh Dadoda 05/16/2022

Quant Time: May 16 02:29:04 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	5.556	168	195611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	337923	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	304720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	136462	50.893	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	101.780%		
35) Dibromofluoromethane	5.391	113	109341	49.386	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.780%		
50) Toluene-d8	8.653	98	410836	49.218	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.440%		
62) 4-Bromofluorobenzene	11.079	95	145704	46.733	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	49939	19.497	ug/l	99
3) Chloromethane	1.288	50	47107	19.529	ug/l	98
4) Vinyl Chloride	1.374	62	50859	19.565	ug/l	98
5) Bromomethane	1.605	94	42390	19.708	ug/l	99
6) Chloroethane	1.685	64	34026	19.434	ug/l	98
7) Trichlorofluoromethane	1.886	101	78443	18.927	ug/l	97
8) Diethyl Ether	2.136	74	29172	19.317	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	40444	18.544	ug/l	95
10) Methyl Iodide	2.453	142	45303	17.350	ug/l	97
11) Tert butyl alcohol	2.965	59	61385	103.188	ug/l	95
12) 1,1-Dichloroethene	2.319	96	39425	19.474	ug/l	97
13) Acrolein	2.233	56	48132	109.362	ug/l	97
14) Allyl chloride	2.666	41	59874	18.440	ug/l	89
15) Acrylonitrile	3.062	53	127398	98.613	ug/l	98
16) Acetone	2.380	43	112919	98.124	ug/l	92
17) Carbon Disulfide	2.514	76	95261	18.152	ug/l	99
18) Methyl Acetate	2.703	43	56550	19.620	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	139571	19.428	ug/l	99
20) Methylene Chloride	2.788	84	45338	18.779	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	43864	19.235	ug/l	98
22) Diisopropyl ether	3.763	45	137335	19.792	ug/l #	88
23) Vinyl Acetate	3.727	43	593315	99.187	ug/l	95
24) 1,1-Dichloroethane	3.611	63	79145	19.620	ug/l	98
25) 2-Butanone	4.556	43	176841	97.900	ug/l	97
26) 2,2-Dichloropropane	4.483	77	48070	15.198	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	51002	19.150	ug/l	98
28) Bromochloromethane	4.903	49	29623	17.446	ug/l	91
29) Tetrahydrofuran	5.007	42	116044	98.832	ug/l	92
30) Chloroform	5.099	83	86031	19.706	ug/l	100
31) Cyclohexane	5.477	56	70613	18.972	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	72728	19.082	ug/l	97
36) 1,1-Dichloropropene	5.696	75	61477	18.487	ug/l	100
37) Ethyl Acetate	4.715	43	67754	19.507	ug/l	97
38) Carbon Tetrachloride	5.684	117	62488	18.672	ug/l	95
39) Methylcyclohexane	7.385	83	68542	17.973	ug/l	96
40) Benzene	6.044	78	182883	19.136	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	35170	18.885	ug/l	93
42) 1,2-Dichloroethane	6.092	62	68586	19.456	ug/l	98
43) Isopropyl Acetate	6.342	43	100933	18.575	ug/l	94
44) Trichloroethene	7.129	130	48097	18.556	ug/l	97
45) 1,2-Dichloropropane	7.434	63	45398	19.039	ug/l	99
46) Dibromomethane	7.586	93	33521	18.824	ug/l	92
47) Bromodichloromethane	7.824	83	61248	18.526	ug/l	95
48) Methyl methacrylate	7.696	41	49769	18.960	ug/l	87
49) 1,4-Dioxane	7.671	88	25124	383.126	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	346026	96.676	ug/l	93
52) Toluene	8.720	92	117221	19.067	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	57796	16.329	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	66960	18.000	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	48420	19.314	ug/l	98
56) Ethyl methacrylate	9.116	69	71030	18.710	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	79788	18.870	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	155848	83.850	ug/l	100
59) 2-Hexanone	9.433	43	268317	96.489	ug/l	90
60) Dibromochloromethane	9.525	129	44609	18.245	ug/l	96
61) 1,2-Dibromoethane	9.610	107	50563	19.203	ug/l	100
64) Tetrachloroethene	9.275	164	43240	18.791	ug/l	94
65) Chlorobenzene	10.079	112	122777	18.993	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	43785	19.120	ug/l	98
67) Ethyl Benzene	10.195	91	221802	19.143	ug/l	100
68) m/p-Xylenes	10.305	106	171285	37.970	ug/l	98
69) o-Xylene	10.646	106	83141	18.720	ug/l	97
70) Styrene	10.659	104	137908	19.120	ug/l	98
71) Bromoform	10.799	173	29244	16.690	ug/l #	97
73) Isopropylbenzene	10.963	105	219238	19.912	ug/l	99
74) N-amyl acetate	10.848	43	85175	19.680	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	75586	20.011	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	65616m	19.298	ug/l	
77) Bromobenzene	11.201	156	50867	19.526	ug/l	94
78) n-propylbenzene	11.305	91	247791	19.456	ug/l	100
79) 2-Chlorotoluene	11.366	91	150956	19.339	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	180060	19.627	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	15548	16.456	ug/l #	75
82) 4-Chlorotoluene	11.457	91	174619	19.350	ug/l	100
83) tert-Butylbenzene	11.713	119	173825	19.569	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	180796	19.652	ug/l	100
85) sec-Butylbenzene	11.890	105	211370	19.291	ug/l	99
86) p-Isopropyltoluene	12.012	119	177697	19.327	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	97487	19.078	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	98607	18.605	ug/l	97
89) n-Butylbenzene	12.335	91	148609	18.655	ug/l	96
90) Hexachloroethane	12.542	117	26861	18.066	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	98567	19.636	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15740	19.516	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	55950	19.298	ug/l	98
94) Hexachlorobutadiene	13.725	225	21615	18.352	ug/l	96
95) Naphthalene	13.774	128	209423	20.299	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	55356	19.010	ug/l	96

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

