

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072122\
 Data File : VX030134.D
 Acq On : 20 Jul 2022 15:59
 Operator : JC/MD
 Sample : VX0721WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0721WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2022
 Supervised By : Mahesh Dadoda 07/21/2022

Quant Time: Jul 21 03:30:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	184116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	320459	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	285552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	116606	52.032	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.060%			
35) Dibromofluoromethane	5.391	113	96475	47.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.260%			
50) Toluene-d8	8.653	98	373611	48.524	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.040%			
62) 4-Bromofluorobenzene	11.085	95	134687	50.408	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	38232	17.643	ug/l	100
3) Chloromethane	1.288	50	34701	18.087	ug/l	99
4) Vinyl Chloride	1.374	62	35587	16.700	ug/l	100
5) Bromomethane	1.599	94	15085	16.664	ug/l	98
6) Chloroethane	1.679	64	21171	17.642	ug/l	94
7) Trichlorofluoromethane	1.880	101	50068	18.193	ug/l	99
8) Diethyl Ether	2.136	74	19766	17.361	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	35644	18.972	ug/l	96
10) Methyl Iodide	2.447	142	29890	17.832	ug/l	97
11) Tert butyl alcohol	2.977	59	51173	88.476	ug/l	97
12) 1,1-Dichloroethene	2.319	96	35011	18.664	ug/l	99
13) Acrolein	2.239	56	6287	54.578	ug/l	99
14) Allyl chloride	2.660	41	66589	20.313	ug/l	97
15) Acrylonitrile	3.069	53	135824	103.328	ug/l	100
16) Acetone	2.386	43	108781	103.014	ug/l	98
17) Carbon Disulfide	2.508	76	85860	16.101	ug/l	98
18) Methyl Acetate	2.709	43	65869	20.504	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	117943	19.891	ug/l	100
20) Methylene Chloride	2.788	84	43702	19.311	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	37503	19.180	ug/l	95
22) Diisopropyl ether	3.764	45	133136	20.748	ug/l	97
23) Vinyl Acetate	3.727	43	574634	105.785	ug/l	100
24) 1,1-Dichloroethane	3.611	63	70547	19.841	ug/l	99
25) 2-Butanone	4.568	43	184722	102.692	ug/l	97
26) 2,2-Dichloropropane	4.477	77	50323	20.147	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	45251	18.899	ug/l	98
28) Bromochloromethane	4.904	49	33513	22.404	ug/l	99
29) Tetrahydrofuran	5.019	42	125136	102.507	ug/l	97
30) Chloroform	5.093	83	71427	20.157	ug/l	98
31) Cyclohexane	5.471	56	64432	19.833	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	57923	20.000	ug/l	98
36) 1,1-Dichloropropene	5.696	75	51515	19.481	ug/l	98
37) Ethyl Acetate	4.721	43	69557	20.470	ug/l	98
38) Carbon Tetrachloride	5.678	117	49138	19.927	ug/l	100
39) Methylcyclohexane	7.379	83	65401	19.510	ug/l	94
40) Benzene	6.044	78	162467	19.520	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	37880	20.704	ug/l	97
42) 1,2-Dichloroethane	6.092	62	53164	20.611	ug/l	98
43) Isopropyl Acetate	6.342	43	102267	20.015	ug/l	99
44) Trichloroethene	7.129	130	42929	17.651	ug/l	95
45) 1,2-Dichloropropane	7.434	63	43063	19.905	ug/l	91
46) Dibromomethane	7.586	93	28361	19.047	ug/l	99
47) Bromodichloromethane	7.824	83	52389	19.390	ug/l	95
48) Methyl methacrylate	7.696	41	51561	21.870	ug/l	96
49) 1,4-Dioxane	7.671	88	24275	396.316	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	358307	105.972	ug/l	98
52) Toluene	8.720	92	100507	19.017	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	54410	19.388	ug/l	96
54) cis-1,3-Dichloropropene	8.372	75	60511	18.821	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	41252	18.927	ug/l	95
56) Ethyl methacrylate	9.116	69	66242	20.215	ug/l	97
57) 1,3-Dichloropropane	9.311	76	68049	19.654	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	174997	98.349	ug/l	98
59) 2-Hexanone	9.433	43	281359	108.513	ug/l	97
60) Dibromochloromethane	9.525	129	39325	18.520	ug/l	98
61) 1,2-Dibromoethane	9.610	107	42675	18.813	ug/l	99
64) Tetrachloroethene	9.275	164	41770	18.222	ug/l	97
65) Chlorobenzene	10.079	112	104272	18.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	35526	18.327	ug/l	96
67) Ethyl Benzene	10.195	91	189884	19.703	ug/l	99
68) m/p-Xylenes	10.305	106	147588	39.046	ug/l	99
69) o-Xylene	10.646	106	71499	18.892	ug/l	96
70) Styrene	10.659	104	120497	19.182	ug/l	99
71) Bromoform	10.805	173	26200	16.823	ug/l #	99
73) Isopropylbenzene	10.963	105	188060	19.352	ug/l	99
74) N-amyl acetate	10.848	43	82521	19.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	65910	18.799	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	61143m	19.054	ug/l	
77) Bromobenzene	11.201	156	42945	17.663	ug/l	97
78) n-propylbenzene	11.305	91	222582	19.307	ug/l	99
79) 2-Chlorotoluene	11.366	91	130980	18.968	ug/l	100
80) 1,3,5-Trimethylbenzene	11.457	105	157138	19.190	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	18521	16.657	ug/l #	84
82) 4-Chlorotoluene	11.457	91	150892	19.503	ug/l	100
83) tert-Butylbenzene	11.719	119	147281	18.755	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	159004	19.631	ug/l	98
85) sec-Butylbenzene	11.890	105	203549	19.607	ug/l	99
86) p-Isopropyltoluene	12.012	119	164688	19.774	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	84461	18.800	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	85846	18.621	ug/l	98
89) n-Butylbenzene	12.335	91	151053	20.243	ug/l	99
90) Hexachloroethane	12.542	117	25736	18.076	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	85457	18.724	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15458	19.309	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	51068	18.216	ug/l	97
94) Hexachlorobutadiene	13.725	225	20613	18.417	ug/l	99
95) Naphthalene	13.780	128	200186	17.990	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	53070	18.605	ug/l	99

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

