

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
 Data File : VX027047.D
 Acq On : 16 Feb 2022 13:48
 Operator : JC/MD
 Sample : VX0216WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0216WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 07:09:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	86850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	138568	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	53492	51.309	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.620%			
35) Dibromofluoromethane	5.385	113	42937	52.010	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.020%			
50) Toluene-d8	8.647	98	161727	53.368	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.740%			
62) 4-Bromofluorobenzene	11.079	95	63394	59.419	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	17714	18.758	ug/l	99
3) Chloromethane	1.294	50	16628	18.927	ug/l	99
4) Vinyl Chloride	1.374	62	16631	18.084	ug/l	98
5) Bromomethane	1.611	94	10509	26.929	ug/l	89
6) Chloroethane	1.691	64	10101	18.272	ug/l	97
7) Trichlorofluoromethane	1.892	101	26023	19.228	ug/l	98
8) Diethyl Ether	2.136	74	9037	18.026	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	17651	19.897	ug/l	99
10) Methyl Iodide	2.453	142	19650	17.504	ug/l	98
11) Tert butyl alcohol	2.959	59	16276	86.418	ug/l	98
12) 1,1-Dichloroethene	2.325	96	16533	18.601	ug/l	93
13) Acrolein	2.239	56	12573	72.238	ug/l	100
14) Allyl chloride	2.666	41	29428	18.691	ug/l	96
15) Acrylonitrile	3.062	53	50793	94.112	ug/l	100
16) Acetone	2.380	43	51467	112.399	ug/l	99
17) Carbon Disulfide	2.514	76	40783	16.208	ug/l	99
18) Methyl Acetate	2.703	43	23131	17.557	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	57171	18.172	ug/l	99
20) Methylene Chloride	2.788	84	18686	18.834	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	17614	18.832	ug/l	98
22) Diisopropyl ether	3.757	45	60811	19.185	ug/l	91
23) Vinyl Acetate	3.721	43	248796	93.354	ug/l	98
24) 1,1-Dichloroethane	3.611	63	32878	19.168	ug/l	99
25) 2-Butanone	4.550	43	72534	98.319	ug/l	98
26) 2,2-Dichloropropane	4.483	77	23079	19.915	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	20932	19.492	ug/l	95
28) Bromochloromethane	4.897	49	13989	19.675	ug/l	96
29) Tetrahydrofuran	5.001	42	46881	93.474	ug/l	99
30) Chloroform	5.099	83	33744	18.935	ug/l	96
31) Cyclohexane	5.471	56	30486	18.403	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	28930	18.413	ug/l	100
36) 1,1-Dichloropropene	5.696	75	25101	19.273	ug/l	98
37) Ethyl Acetate	4.715	43	27151	18.344	ug/l	100
38) Carbon Tetrachloride	5.678	117	26178	19.168	ug/l	96
39) Methylcyclohexane	7.379	83	31226	19.551	ug/l	95
40) Benzene	6.037	78	74309	19.577	ug/l	95

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41) Methacrylonitrile	4.922	41	14882	18.552	ug/l	95
42) 1,2-Dichloroethane	6.086	62	27248	20.372	ug/l	98
43) Isopropyl Acetate	6.336	43	42599	18.706	ug/l	98
44) Trichloroethene	7.129	130	21453	18.823	ug/l	94
45) 1,2-Dichloropropane	7.434	63	18491	19.254	ug/l	98
46) Dibromomethane	7.580	93	13348	20.087	ug/l	97
47) Bromodichloromethane	7.824	83	25805	20.278	ug/l	98
48) Methyl methacrylate	7.690	41	20867	18.493	ug/l	96
49) 1,4-Dioxane	7.665	88	7615	391.632	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	140353	101.704	ug/l	98
52) Toluene	8.720	92	46494	19.347	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	24682	18.783	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	28092	19.991	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	19507	21.441	ug/l	97
56) Ethyl methacrylate	9.116	69	28696	19.898	ug/l	97
57) 1,3-Dichloropropane	9.311	76	32625	20.883	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	61307	82.824	ug/l	98
59) 2-Hexanone	9.433	43	107850	106.846	ug/l	98
60) Dibromochloromethane	9.519	129	19981	21.345	ug/l	99
61) 1,2-Dibromoethane	9.610	107	19843	20.643	ug/l	100
64) Tetrachloroethene	9.275	164	22777	17.831	ug/l	94
65) Chlorobenzene	10.079	112	51785	19.688	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	18802	19.432	ug/l	98
67) Ethyl Benzene	10.195	91	92490	19.868	ug/l	100
68) m/p-Xylenes	10.305	106	72010	40.204	ug/l	97
69) o-Xylene	10.640	106	35214	20.064	ug/l	95
70) Styrene	10.659	104	58706	20.624	ug/l	99
71) Bromoform	10.799	173	13693	19.453	ug/l #	99
73) Isopropylbenzene	10.963	105	92824	19.153	ug/l	99
74) N-amyl acetate	10.842	43	35497	18.331	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	26411	20.081	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	26679m	19.808	ug/l	
77) Bromobenzene	11.201	156	22418	19.460	ug/l	95
78) n-propylbenzene	11.305	91	107246	19.961	ug/l	99
79) 2-Chlorotoluene	11.366	91	65116	19.615	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	78410	19.658	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	6938	18.406	ug/l	96
82) 4-Chlorotoluene	11.457	91	73889	19.840	ug/l	96
83) tert-Butylbenzene	11.713	119	74190	19.515	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	78801	19.586	ug/l	99
85) sec-Butylbenzene	11.890	105	97122	20.154	ug/l	100
86) p-Isopropyltoluene	12.012	119	82115	20.114	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	42787	20.269	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	42416	19.924	ug/l	98
89) n-Butylbenzene	12.335	91	68319	20.453	ug/l	99
90) Hexachloroethane	12.542	117	12346	20.924	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	41217	20.236	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	5649	17.466	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	24802	19.294	ug/l	98
94) Hexachlorobutadiene	13.725	225	10872	19.995	ug/l	97
95) Naphthalene	13.774	128	83108	18.457	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	25275	19.418	ug/l	98

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

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