

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041322\
 Data File : VX028082.D
 Acq On : 13 Apr 2022 10:58
 Operator : JC/MD
 Sample : VX0413WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2022
 Supervised By : Mahesh Dadoda 04/14/2022

Quant Time: Apr 14 04:03:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	164688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	265423	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	247972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129922	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	105013	47.001	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.000%		
35) Dibromofluoromethane	5.385	113	86371	49.660	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.320%		
50) Toluene-d8	8.647	98	327131	50.432	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.860%		
62) 4-Bromofluorobenzene	11.079	95	114926	47.452	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	31390	19.631	ug/l	97
3) Chloromethane	1.288	50	35387	19.996	ug/l	97
4) Vinyl Chloride	1.374	62	41568	19.538	ug/l	96
5) Bromomethane	1.599	94	53385	23.575	ug/l	100
6) Chloroethane	1.685	64	32219	20.057	ug/l	96
7) Trichlorofluoromethane	1.886	101	81562	19.547	ug/l	99
8) Diethyl Ether	2.136	74	29637	18.534	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	32824	19.774	ug/l	97
10) Methyl Iodide	2.453	142	29984	15.511	ug/l	97
11) Tert butyl alcohol	2.965	59	46287	89.248	ug/l	98
12) 1,1-Dichloroethene	2.319	96	31523	19.392	ug/l	99
13) Acrolein	2.233	56	24682	85.832	ug/l	91
14) Allyl chloride	2.666	41	51039	17.741	ug/l #	87
15) Acrylonitrile	3.063	53	100078	93.123	ug/l	98
16) Acetone	2.380	43	86637	93.069	ug/l	94
17) Carbon Disulfide	2.514	76	83424	19.529	ug/l	99
18) Methyl Acetate	2.703	43	45779	18.430	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	114056	18.683	ug/l	99
20) Methylene Chloride	2.788	84	35541	19.169	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	36043	18.510	ug/l	96
22) Diisopropyl ether	3.764	45	111845	18.117	ug/l	89
23) Vinyl Acetate	3.721	43	510932	93.139	ug/l	94
24) 1,1-Dichloroethane	3.611	63	63405	18.972	ug/l	99
25) 2-Butanone	4.556	43	145750	90.579	ug/l	95
26) 2,2-Dichloropropane	4.477	77	57866	18.650	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	41147	18.746	ug/l	99
28) Bromochloromethane	4.898	49	27552	19.179	ug/l #	93
29) Tetrahydrofuran	5.007	42	94601	89.950	ug/l	91
30) Chloroform	5.093	83	68229	18.359	ug/l	97
31) Cyclohexane	5.465	56	58056	18.897	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	62429	18.547	ug/l	98
36) 1,1-Dichloropropene	5.696	75	50973	19.203	ug/l	99
37) Ethyl Acetate	4.715	43	54646	17.672	ug/l	96
38) Carbon Tetrachloride	5.684	117	54045	19.071	ug/l	94
39) Methylcyclohexane	7.385	83	61546	19.614	ug/l	99
40) Benzene	6.038	78	145915	18.904	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	30316	18.428	ug/l	91
42) 1,2-Dichloroethane	6.086	62	55183	18.933	ug/l	98
43) Isopropyl Acetate	6.342	43	92257	17.908	ug/l	93
44) Trichloroethene	7.129	130	39798	19.389	ug/l	98
45) 1,2-Dichloropropane	7.434	63	36920	18.980	ug/l	99
46) Dibromomethane	7.580	93	27314	19.034	ug/l	95
47) Bromodichloromethane	7.824	83	53007	19.112	ug/l	99
48) Methyl methacrylate	7.696	41	41752	17.753	ug/l #	81
49) 1,4-Dioxane	7.665	88	19965	380.276	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	294934	89.792	ug/l	90
52) Toluene	8.720	92	96859	18.809	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	57169	18.249	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	60708	18.684	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	38872	18.621	ug/l	92
56) Ethyl methacrylate	9.116	69	57525	17.531	ug/l #	78
57) 1,3-Dichloropropane	9.311	76	64530	18.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	134217	90.622	ug/l	100
59) 2-Hexanone	9.433	43	228181	88.702	ug/l	88
60) Dibromochloromethane	9.519	129	39544	17.720	ug/l	96
61) 1,2-Dibromoethane	9.610	107	42043	18.492	ug/l	98
64) Tetrachloroethene	9.275	164	39240	19.944	ug/l	98
65) Chlorobenzene	10.080	112	103510	19.131	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	38128	19.072	ug/l	100
67) Ethyl Benzene	10.195	91	184954	19.412	ug/l	98
68) m/p-Xylenes	10.305	106	145892	36.669	ug/l	99
69) o-Xylene	10.640	106	71976	18.611	ug/l	97
70) Styrene	10.659	104	116330	18.519	ug/l	98
71) Bromoform	10.799	173	28959	18.106	ug/l #	98
73) Isopropylbenzene	10.964	105	185865	20.138	ug/l	100
74) N-amyl acetate	10.842	43	77295	19.378	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.214	83	62104	19.261	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	56673m	19.594	ug/l	
77) Bromobenzene	11.201	156	44249	19.625	ug/l	96
78) n-propylbenzene	11.305	91	216033	20.140	ug/l	100
79) 2-Chlorotoluene	11.366	91	126491	19.445	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	156957	19.687	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	18815	18.321	ug/l	90
82) 4-Chlorotoluene	11.457	91	147899	19.314	ug/l	98
83) tert-Butylbenzene	11.713	119	156169	20.245	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	158213	20.269	ug/l	100
85) sec-Butylbenzene	11.890	105	197718	20.082	ug/l	100
86) p-Isopropyltoluene	12.012	119	167103	20.031	ug/l	98
87) 1,3-Dichlorobenzene	11.970	146	87901	20.008	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	89935	19.515	ug/l	99
89) n-Butylbenzene	12.335	91	143730	20.129	ug/l	97
90) Hexachloroethane	12.543	117	28085	20.037	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	88414	20.141	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	13933	19.642	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	53297	21.712	ug/l	100
94) Hexachlorobutadiene	13.725	225	21207	21.410	ug/l	97
95) Naphthalene	13.774	128	183254	21.375	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	53630	22.076	ug/l	97

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

