

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052322\
 Data File : VX028891.D
 Acq On : 23 May 2022 14:02
 Operator : JC/MD
 Sample : VX0523WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 24 05:32:28 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	261358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	423800	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	386604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	196786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	197232	55.053	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.100%			
35) Dibromofluoromethane	5.385	113	154234	55.546	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 111.100%			
50) Toluene-d8	8.647	98	558721	53.371	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.740%			
62) 4-Bromofluorobenzene	11.079	95	221660	56.689	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 113.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	66363	19.392	ug/l	99
3) Chloromethane	1.288	50	57985	17.991	ug/l	98
4) Vinyl Chloride	1.374	62	63360	18.242	ug/l	100
5) Bromomethane	1.605	94	60767	21.598	ug/l	99
6) Chloroethane	1.685	64	42252	17.899	ug/l	99
7) Trichlorofluoromethane	1.886	101	103608	18.710	ug/l	97
8) Diethyl Ether	2.136	74	37717	18.693	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	59385	20.379	ug/l	98
10) Methyl Iodide	2.453	142	56640	16.235	ug/l	93
11) Tert butyl alcohol	2.965	59	86393	109.133	ug/l	98
12) 1,1-Dichloroethene	2.319	96	52213	19.303	ug/l	96
13) Acrolein	2.233	56	20173	34.305	ug/l	94
14) Allyl chloride	2.666	41	86535	19.946	ug/l	92
15) Acrylonitrile	3.063	53	180355	104.486	ug/l	99
16) Acetone	2.380	43	157465	102.411	ug/l	92
17) Carbon Disulfide	2.514	76	121017	17.259	ug/l	98
18) Methyl Acetate	2.703	43	83882	21.782	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	207820	21.650	ug/l	100
20) Methylene Chloride	2.788	84	64745	20.071	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	58517	19.206	ug/l	99
22) Diisopropyl ether	3.764	45	187287	20.201	ug/l	92
23) Vinyl Acetate	3.721	43	821598	102.798	ug/l	96
24) 1,1-Dichloroethane	3.611	63	109302	20.280	ug/l	99
25) 2-Butanone	4.556	43	249828	103.513	ug/l	94
26) 2,2-Dichloropropane	4.477	77	89098	21.084	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	70501	19.812	ug/l	98
28) Bromochloromethane	4.898	49	42898	18.909	ug/l	98
29) Tetrahydrofuran	5.007	42	160158	102.090	ug/l	93
30) Chloroform	5.093	83	121489	20.827	ug/l	97
31) Cyclohexane	5.471	56	91570	18.414	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	106960	21.004	ug/l	100
36) 1,1-Dichloropropene	5.696	75	85300	20.453	ug/l	98
37) Ethyl Acetate	4.715	43	93534	21.472	ug/l	98
38) Carbon Tetrachloride	5.672	117	93430	22.261	ug/l	96
39) Methylcyclohexane	7.379	83	100172	20.944	ug/l	97
40) Benzene	6.038	78	245350	20.470	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	50982	21.828	ug/l	93
42) 1,2-Dichloroethane	6.086	62	100640	22.763	ug/l	96
43) Isopropyl Acetate	6.342	43	146445	21.489	ug/l	96
44) Trichloroethene	7.129	130	69488	21.376	ug/l	97
45) 1,2-Dichloropropane	7.434	63	64084	21.429	ug/l	96
46) Dibromomethane	7.580	93	47664	21.343	ug/l	95
47) Bromodichloromethane	7.824	83	92330	22.268	ug/l	99
48) Methyl methacrylate	7.696	41	73154	22.222	ug/l	88
49) 1,4-Dioxane	7.665	88	36855	448.132	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	490962	109.374	ug/l	94
52) Toluene	8.720	92	162156	21.031	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	93540	20.596	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	103161	22.112	ug/l #	93
55) 1,1,2-Trichloroethane	9.153	97	68745	21.865	ug/l	97
56) Ethyl methacrylate	9.116	69	104362	21.920	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	115741	21.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	246548	105.770	ug/l	98
59) 2-Hexanone	9.433	43	376906	108.073	ug/l	92
60) Dibromochloromethane	9.525	129	70657	23.043	ug/l	97
61) 1,2-Dibromoethane	9.610	107	73118	22.142	ug/l	99
64) Tetrachloroethene	9.275	164	64491	22.090	ug/l	97
65) Chlorobenzene	10.080	112	178337	21.744	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	67096	23.094	ug/l	99
67) Ethyl Benzene	10.195	91	315055	21.432	ug/l	99
68) m/p-Xylenes	10.305	106	246266	43.029	ug/l	96
69) o-Xylene	10.647	106	121151	21.500	ug/l	96
70) Styrene	10.659	104	201405	22.010	ug/l	97
71) Bromoform	10.799	173	49056	21.471	ug/l #	99
73) Isopropylbenzene	10.964	105	323491	21.677	ug/l	98
74) N-amyl acetate	10.842	43	118691	20.233	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	111217	21.724	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	102953m	22.340	ug/l	
77) Bromobenzene	11.201	156	76949	21.792	ug/l	95
78) n-propylbenzene	11.305	91	366768	21.247	ug/l	99
79) 2-Chlorotoluene	11.366	91	227911	21.542	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	274460	22.072	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28645	20.978	ug/l #	84
82) 4-Chlorotoluene	11.457	91	264141	21.596	ug/l	99
83) tert-Butylbenzene	11.713	119	270737	22.487	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	277402	22.247	ug/l	98
85) sec-Butylbenzene	11.890	105	330073	22.226	ug/l	99
86) p-Isopropyltoluene	12.012	119	281061	22.554	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	147714	21.328	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	150550	20.957	ug/l	97
89) n-Butylbenzene	12.335	91	236971	21.947	ug/l	98
90) Hexachloroethane	12.543	117	44403	22.034	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	150712	22.151	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27008	24.706	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	93402	23.769	ug/l	97
94) Hexachlorobutadiene	13.725	225	38874	24.351	ug/l	93
95) Naphthalene	13.774	128	327739	23.437	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	92961	23.554	ug/l	97

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

