

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033122\
 Data File : VX027863.D
 Acq On : 31 Mar 2022 21:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2022
 Supervised By : Mahesh Dadoda 04/01/2022

Quant Time: Apr 01 04:12:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	72467	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	121226	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	112470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54312	58.086	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.180%			
35) Dibromofluoromethane	5.391	113	40347	51.563	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.120%			
50) Toluene-d8	8.653	98	139344	50.613	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.220%			
62) 4-Bromofluorobenzene	11.079	95	59884	51.184	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.360%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	33745	51.389	ug/l	99
3) Chloromethane	1.295	50	28443	49.017	ug/l	100
4) Vinyl Chloride	1.374	62	29804	50.082	ug/l	97
5) Bromomethane	1.599	94	11232	41.857	ug/l	95
6) Chloroethane	1.679	64	16584	41.340	ug/l	96
7) Trichlorofluoromethane	1.880	101	50242	48.127	ug/l	100
8) Diethyl Ether	2.136	74	18838	50.272	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.325	101	34116	50.277	ug/l	97
10) Methyl Iodide	2.453	142	38890	49.352	ug/l #	89
11) Tert butyl alcohol	2.971	59	50699	282.279	ug/l	99
12) 1,1-Dichloroethene	2.319	96	30615	49.174	ug/l	98
13) Acrolein	2.239	56	39749	295.491	ug/l	99
14) Allyl chloride	2.660	41	57756	50.528	ug/l #	88
15) Acrylonitrile	3.062	53	123197	292.124	ug/l	98
16) Acetone	2.380	43	114790	277.399	ug/l	88
17) Carbon Disulfide	2.508	76	44897	35.252	ug/l	100
18) Methyl Acetate	2.703	43	55848	54.748	ug/l	90
19) Methyl tert-butyl Ether	3.117	73	133761	56.390	ug/l	98
20) Methylene Chloride	2.788	84	36968	49.667	ug/l #	87
21) trans-1,2-Dichloroethene	3.093	96	31852	47.135	ug/l	93
22) Diisopropyl ether	3.764	45	130368	56.910	ug/l #	85
23) Vinyl Acetate	3.727	43	576095	291.081	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	69988	54.307	ug/l	97
25) 2-Butanone	4.562	43	180668	300.051	ug/l	91
26) 2,2-Dichloropropane	4.477	77	47212	45.868	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	42189	51.775	ug/l	94
28) Bromochloromethane	4.904	49	30126	54.347	ug/l	88
29) Tetrahydrofuran	5.007	42	114395	295.765	ug/l	86
30) Chloroform	5.099	83	77344	53.988	ug/l	99
31) Cyclohexane	5.471	56	50941	49.286	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	66199	53.419	ug/l	99
36) 1,1-Dichloropropene	5.696	75	49265	49.988	ug/l	98
37) Ethyl Acetate	4.721	43	67592	55.323	ug/l	95
38) Carbon Tetrachloride	5.684	117	53736	49.352	ug/l	100
39) Methylcyclohexane	7.385	83	52601	45.356	ug/l	90
40) Benzene	6.044	78	147495	49.385	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	37741	58.075	ug/l #	88
42) 1,2-Dichloroethane	6.092	62	64315	53.891	ug/l	94
43) Isopropyl Acetate	6.342	43	107393	54.878	ug/l #	91
44) Trichloroethene	7.129	130	39048	48.109	ug/l	80
45) 1,2-Dichloropropane	7.434	63	40164	50.058	ug/l	98
46) Dibromomethane	7.580	93	29490	48.836	ug/l	90
47) Bromodichloromethane	7.824	83	56627	47.084	ug/l	100
48) Methyl methacrylate	7.696	41	52749	51.398	ug/l #	82
49) 1,4-Dioxane	7.665	88	21018	1037.459	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	363972	268.114	ug/l	89
52) Toluene	8.720	92	95523	50.776	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	57615	47.800	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	61047	48.098	ug/l #	81
55) 1,1,2-Trichloroethane	9.153	97	42670	51.138	ug/l	96
56) Ethyl methacrylate	9.116	69	70457	53.315	ug/l #	76
57) 1,3-Dichloropropane	9.311	76	70814	50.431	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	176520	267.546	ug/l	95
59) 2-Hexanone	9.433	43	279897	267.774	ug/l	84
60) Dibromochloromethane	9.525	129	42338	48.936	ug/l	97
61) 1,2-Dibromoethane	9.610	107	44113	50.596	ug/l	100
64) Tetrachloroethene	9.275	164	35687	46.798	ug/l	91
65) Chlorobenzene	10.080	112	108669	49.064	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	40540	48.778	ug/l	99
67) Ethyl Benzene	10.195	91	198165	49.305	ug/l	99
68) m/p-Xylenes	10.305	106	141654	95.828	ug/l	94
69) o-Xylene	10.640	106	72594	50.279	ug/l	98
70) Styrene	10.659	104	121111	49.352	ug/l	96
71) Bromoform	10.805	173	28863	43.648	ug/l #	99
73) Isopropylbenzene	10.964	105	191447	46.880	ug/l	99
74) N-amyl acetate	10.848	43	79882	43.427	ug/l	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	67590	48.741	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	62843m	48.842	ug/l	
77) Bromobenzene	11.201	156	47585	51.109	ug/l	93
78) n-propylbenzene	11.305	91	227483	46.626	ug/l	99
79) 2-Chlorotoluene	11.366	91	140611	45.860	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	167340	47.224	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	17260	41.007	ug/l #	83
82) 4-Chlorotoluene	11.457	91	162779	46.264	ug/l	97
83) tert-Butylbenzene	11.719	119	158227	46.177	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	161517	45.713	ug/l	100
85) sec-Butylbenzene	11.890	105	206366	48.802	ug/l	99
86) p-Isopropyltoluene	12.012	119	172808	49.130	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	88357	48.211	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	87307	46.243	ug/l	97
89) n-Butylbenzene	12.335	91	153988	48.688	ug/l	96
90) Hexachloroethane	12.542	117	24309	43.035	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	85837	47.415	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15616	46.779	ug/l	87
93) 1,2,4-Trichlorobenzene	13.591	180	51992	46.962	ug/l	98
94) Hexachlorobutadiene	13.725	225	22784	46.632	ug/l	93
95) Naphthalene	13.780	128	198899	51.455	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	52051	47.992	ug/l	94

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

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