

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013122\
 Data File : VX026669.D
 Acq On : 31 Jan 2022 10:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/01/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Jan 31 13:55:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	89168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	143059	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	54159	43.480	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.960%		
35) Dibromofluoromethane	5.385	113	44572	48.247	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.500%		
50) Toluene-d8	8.647	98	164030	49.272	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.540%		
62) 4-Bromofluorobenzene	11.079	95	60956	51.543	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	46230	43.906	ug/l	99
3) Chloromethane	1.295	50	44600	46.206	ug/l	99
4) Vinyl Chloride	1.380	62	47379	46.751	ug/l	98
5) Bromomethane	1.618	94	24229	51.828	ug/l	97
6) Chloroethane	1.691	64	22409	43.728	ug/l	99
7) Trichlorofluoromethane	1.892	101	75071	46.919	ug/l	98
8) Diethyl Ether	2.136	74	27562	48.681	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	50112	51.394	ug/l	98
10) Methyl Iodide	2.459	142	61436	57.771	ug/l	97
11) Tert butyl alcohol	3.032	59	40492	233.682	ug/l #	93
12) 1,1-Dichloroethene	2.325	96	45994	49.390	ug/l	91
13) Acrolein	2.239	56	48798	265.025	ug/l	98
14) Allyl chloride	2.666	41	87231	50.936	ug/l	96
15) Acrylonitrile	3.069	53	141340	264.979	ug/l	99
16) Acetone	2.392	43	172004	270.782	ug/l	97
17) Carbon Disulfide	2.520	76	117852	43.346	ug/l	98
18) Methyl Acetate	2.703	43	66002	52.265	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	168550	49.882	ug/l	100
20) Methylene Chloride	2.794	84	53232	50.721	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50661	50.252	ug/l	98
22) Diisopropyl ether	3.757	45	175082	50.330	ug/l	94
23) Vinyl Acetate	3.721	43	731154	255.337	ug/l	98
24) 1,1-Dichloroethane	3.611	63	95941	51.068	ug/l	99
25) 2-Butanone	4.562	43	221933	268.660	ug/l	97
26) 2,2-Dichloropropane	4.477	77	75410	54.152	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	60145	52.274	ug/l	98
28) Bromochloromethane	4.898	49	39385	51.055	ug/l	98
29) Tetrahydrofuran	5.007	42	122855	250.407	ug/l	98
30) Chloroform	5.093	83	99365	50.904	ug/l	98
31) Cyclohexane	5.471	56	86761	47.224	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	87812	51.142	ug/l	99
36) 1,1-Dichloropropene	5.696	75	72867	49.964	ug/l	98
37) Ethyl Acetate	4.715	43	74416	50.442	ug/l	99
38) Carbon Tetrachloride	5.678	117	79151	52.762	ug/l	96
39) Methylcyclohexane	7.385	83	91095	51.784	ug/l	96
40) Benzene	6.038	78	210005	52.097	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	43034	51.494	ug/l	97
42) 1,2-Dichloroethane	6.086	62	78156	49.555	ug/l	98
43) Isopropyl Acetate	6.336	43	124285	52.153	ug/l	98
44) Trichloroethene	7.123	130	62973	55.055	ug/l	96
45) 1,2-Dichloropropane	7.428	63	55043	54.704	ug/l	97
46) Dibromomethane	7.580	93	38159	53.798	ug/l	97
47) Bromodichloromethane	7.824	83	79798	55.680	ug/l	99
48) Methyl methacrylate	7.690	41	62143	52.619	ug/l	97
49) 1,4-Dioxane	7.696	88	16725	862.950	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	374923	265.246	ug/l	98
52) Toluene	8.720	92	138822	56.159	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	82864	53.934	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	89873	58.386	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	55405	57.435	ug/l	97
56) Ethyl methacrylate	9.116	69	85397	57.766	ug/l	96
57) 1,3-Dichloropropane	9.305	76	93985	56.197	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	204548	263.871	ug/l	98
59) 2-Hexanone	9.433	43	295193	272.859	ug/l	97
60) Dibromochloromethane	9.519	129	62274	61.950	ug/l	100
61) 1,2-Dibromoethane	9.610	107	57810	57.512	ug/l	99
64) Tetrachloroethene	9.275	164	66273	53.180	ug/l	96
65) Chlorobenzene	10.080	112	150544	54.190	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	57124	55.340	ug/l	99
67) Ethyl Benzene	10.195	91	271359	53.751	ug/l	99
68) m/p-Xylenes	10.299	106	206420	109.259	ug/l	98
69) o-Xylene	10.640	106	100149	54.936	ug/l	97
70) Styrene	10.659	104	166338	55.917	ug/l	99
71) Bromoform	10.799	173	41350	52.231	ug/l #	99
73) Isopropylbenzene	10.964	105	267543	53.417	ug/l	99
74) N-amyl acetate	10.842	43	98424	50.901	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	68501	50.954	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	69430m	51.606	ug/l	
77) Bromobenzene	11.201	156	62323	54.315	ug/l	95
78) n-propylbenzene	11.305	91	305321	53.456	ug/l	99
79) 2-Chlorotoluene	11.366	91	179677	51.877	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	219587	53.179	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22567	52.622	ug/l	91
82) 4-Chlorotoluene	11.457	91	205363	51.591	ug/l	97
83) tert-Butylbenzene	11.713	119	206060	53.456	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	220696	53.437	ug/l	99
85) sec-Butylbenzene	11.890	105	275620	55.278	ug/l	99
86) p-Isopropyltoluene	12.012	119	231089	55.243	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	115347	53.631	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	114923	52.791	ug/l	98
89) n-Butylbenzene	12.335	91	199533	55.584	ug/l	100
90) Hexachloroethane	12.536	117	37782	53.943	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	109813	54.029	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15954	49.101	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	72168	55.383	ug/l	99
94) Hexachlorobutadiene	13.725	225	31430	57.137	ug/l	99
95) Naphthalene	13.774	128	232679	53.533	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	70570	55.068	ug/l	99

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

