

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110322\
 Data File : VX032547.D
 Acq On : 03 Nov 2022 10:24
 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 11/04/2022
 Supervised By : Mahesh Dadoda 11/04/2022

Quant Time: Nov 04 06:16:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	103899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	158361	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	143939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72689	50.351	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.700%			
35) Dibromofluoromethane	5.385	113	57904	51.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.520%			
50) Toluene-d8	8.647	98	201224	51.230	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.460%			
62) 4-Bromofluorobenzene	11.079	95	82107	53.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	62038	51.771	ug/l	97
3) Chloromethane	1.294	50	50938	50.264	ug/l	97
4) Vinyl Chloride	1.374	62	57805	51.828	ug/l	98
5) Bromomethane	1.611	94	52999	59.462	ug/l	98
6) Chloroethane	1.685	64	40685	54.375	ug/l	100
7) Trichlorofluoromethane	1.886	101	109289	51.715	ug/l	100
8) Diethyl Ether	2.130	74	34520	50.406	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	57956	51.960	ug/l	98
10) Methyl Iodide	2.453	142	68432	54.961	ug/l	99
11) Tert butyl alcohol	2.977	59	42214	200.902	ug/l	99
12) 1,1-Dichloroethene	2.319	96	52841	50.713	ug/l	98
13) Acrolein	2.233	56	53676	255.886	ug/l	100
14) Allyl chloride	2.660	41	85347	51.384	ug/l	98
15) Acrylonitrile	3.062	53	132151	231.740	ug/l	100
16) Acetone	2.380	43	152554	290.745	ug/l	100
17) Carbon Disulfide	2.514	76	125963	50.755	ug/l	99
18) Methyl Acetate	2.703	43	84631	49.600	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	183953	50.230	ug/l	100
20) Methylene Chloride	2.788	84	59666	49.596	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	56845	50.120	ug/l	97
22) Diisopropyl ether	3.757	45	184705	51.411	ug/l	97
23) Vinyl Acetate	3.721	43	729822	251.437	ug/l	100
24) 1,1-Dichloroethane	3.605	63	104955	50.789	ug/l	100
25) 2-Butanone	4.550	43	198998	244.798	ug/l	96
26) 2,2-Dichloropropane	4.471	77	90232	54.929	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	67051	51.145	ug/l	97
28) Bromochloromethane	4.897	49	36154	49.117	ug/l	98
29) Tetrahydrofuran	5.001	42	115691	223.186	ug/l	99
30) Chloroform	5.092	83	119208	52.571	ug/l	98
31) Cyclohexane	5.464	56	89151	50.932	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	106247	52.214	ug/l	98
36) 1,1-Dichloropropene	5.690	75	83910	53.343	ug/l	99
37) Ethyl Acetate	4.708	43	73701	45.012	ug/l	99
38) Carbon Tetrachloride	5.672	117	96965	55.577	ug/l	97
39) Methylcyclohexane	7.379	83	100572	54.038	ug/l	99
40) Benzene	6.037	78	233446	52.443	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	42925	51.462	ug/l	96
42) 1,2-Dichloroethane	6.080	62	98263	54.001	ug/l	99
43) Isopropyl Acetate	6.336	43	128304	51.035	ug/l	99
44) Trichloroethene	7.123	130	65322	52.128	ug/l	93
45) 1,2-Dichloropropane	7.427	63	61110	53.480	ug/l	98
46) Dibromomethane	7.580	93	45987	52.477	ug/l	99
47) Bromodichloromethane	7.818	83	92360	55.609	ug/l	99
48) Methyl methacrylate	7.690	41	66161	50.955	ug/l	100
49) 1,4-Dioxane	7.683	88	22023	890.020	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	388600	245.400	ug/l	99
52) Toluene	8.720	92	155507	53.545	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	96242	56.793	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	102185	56.377	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	63756	52.127	ug/l	98
56) Ethyl methacrylate	9.116	69	93955	53.380	ug/l	100
57) 1,3-Dichloropropane	9.305	76	104061	52.685	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	226201	266.900	ug/l	99
59) 2-Hexanone	9.427	43	302320	257.294	ug/l	99
60) Dibromochloromethane	9.518	129	74301	55.617	ug/l	100
61) 1,2-Dibromoethane	9.610	107	68778	53.071	ug/l	98
64) Tetrachloroethene	9.275	164	56554	53.680	ug/l	97
65) Chlorobenzene	10.079	112	170249	52.802	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	67633	55.734	ug/l	100
67) Ethyl Benzene	10.195	91	310288	53.815	ug/l	100
68) m/p-Xylenes	10.299	106	243143	108.599	ug/l	100
69) o-Xylene	10.640	106	116891	53.698	ug/l	99
70) Styrene	10.652	104	199988	55.280	ug/l	100
71) Bromoform	10.799	173	54295	56.590	ug/l #	99
73) Isopropylbenzene	10.963	105	320396	51.450	ug/l	99
74) N-amyl acetate	10.841	43	119067	50.604	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	98615	49.335	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	89375m	51.120	ug/l	
77) Bromobenzene	11.195	156	77736	50.918	ug/l	99
78) n-propylbenzene	11.305	91	377946	52.678	ug/l	100
79) 2-Chlorotoluene	11.366	91	223452	52.005	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	282653	53.108	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28248	51.412	ug/l	97
82) 4-Chlorotoluene	11.457	91	265987	52.903	ug/l	100
83) tert-Butylbenzene	11.713	119	281357	52.951	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	282487	53.365	ug/l	99
85) sec-Butylbenzene	11.890	105	344421	53.870	ug/l	99
86) p-Isopropyltoluene	12.012	119	296561	54.663	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	152450	52.937	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	153168	51.267	ug/l	99
89) n-Butylbenzene	12.335	91	266153	56.391	ug/l	99
90) Hexachloroethane	12.536	117	49501	55.861	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	148364	52.248	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20562	46.917	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	96396	52.063	ug/l	98
94) Hexachlorobutadiene	13.725	225	41276	53.379	ug/l	97
95) Naphthalene	13.774	128	300418	48.695	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	95353	50.663	ug/l	100

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

