

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033123\
 Data File : VX034915.D
 Acq On : 01 Apr 2023 10:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/03/2023
 Supervised By : Mahesh Dadoda 04/03/2023

Quant Time: Apr 03 02:13:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	280533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	483833	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	435990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	212722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	220326	51.354	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.700%			
35) Dibromofluoromethane	5.385	113	157405	49.186	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.380%			
50) Toluene-d8	8.647	98	579292	49.043	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.080%			
62) 4-Bromofluorobenzene	11.079	95	233611	51.108	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	154784	55.319	ug/l	98
3) Chloromethane	1.294	50	179159	51.141	ug/l	99
4) Vinyl Chloride	1.374	62	174690	50.362	ug/l	100
5) Bromomethane	1.611	94	93744	41.590	ug/l	95
6) Chloroethane	1.685	64	99722	44.187	ug/l	99
7) Trichlorofluoromethane	1.886	101	248305	44.528	ug/l	100
8) Diethyl Ether	2.136	74	96689	49.183	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	142838	49.008	ug/l	97
10) Methyl Iodide	2.453	142	159771	44.019	ug/l	91
11) Tert butyl alcohol	2.989	59	171856m	228.303	ug/l	
12) 1,1-Dichloroethene	2.319	96	136497	47.395	ug/l	88
13) Acrolein	2.239	56	165132	213.103	ug/l	99
14) Allyl chloride	2.666	41	272417	48.282	ug/l	95
15) Acrylonitrile	3.062	53	448073	264.442	ug/l	98
16) Acetone	2.386	43	420344	241.177	ug/l	95
17) Carbon Disulfide	2.514	76	322192	44.669	ug/l	100
18) Methyl Acetate	2.703	43	333690	53.886	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	533676	50.050	ug/l	96
20) Methylene Chloride	2.788	84	162058	47.120	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	151273	48.161	ug/l	94
22) Diisopropyl ether	3.757	45	573574	50.382	ug/l	97
23) Vinyl Acetate	3.721	43	2116345	260.655	ug/l	98
24) 1,1-Dichloroethane	3.611	63	304795	49.759	ug/l	98
25) 2-Butanone	4.556	43	651380	256.929	ug/l	99
26) 2,2-Dichloropropane	4.477	77	177224	35.182	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	180010	48.367	ug/l	99
28) Bromochloromethane	4.898	49	144774	48.316	ug/l	96
29) Tetrahydrofuran	5.001	42	424810	267.474	ug/l	98
30) Chloroform	5.093	83	310747	49.947	ug/l	99
31) Cyclohexane	5.471	56	263603	50.458	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	268587	50.589	ug/l	99
36) 1,1-Dichloropropene	5.690	75	229511	48.409	ug/l	98
37) Ethyl Acetate	4.709	43	258400	52.124	ug/l	100
38) Carbon Tetrachloride	5.678	117	228383	51.093	ug/l	99
39) Methylcyclohexane	7.379	83	236291	46.934	ug/l	93
40) Benzene	6.038	78	651752	47.888	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	147681	54.777	ug/l	96
42) 1,2-Dichloroethane	6.086	62	272777	50.413	ug/l	98
43) Isopropyl Acetate	6.336	43	418722	50.486	ug/l	99
44) Trichloroethene	7.123	130	165882	47.747	ug/l	95
45) 1,2-Dichloropropane	7.428	63	171966	48.488	ug/l	99
46) Dibromomethane	7.580	93	117468	48.139	ug/l	98
47) Bromodichloromethane	7.824	83	230196	51.071	ug/l	97
48) Methyl methacrylate	7.690	41	215165	52.826	ug/l	97
49) 1,4-Dioxane	7.696	88	78273	932.493	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1292157	263.243	ug/l	99
52) Toluene	8.720	92	413485	46.596	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	231336	47.709	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	254551	47.970	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	164544	48.992	ug/l	98
56) Ethyl methacrylate	9.116	69	273591	51.992	ug/l	98
57) 1,3-Dichloropropane	9.305	76	292923	49.248	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	712015	265.740	ug/l	100
59) 2-Hexanone	9.427	43	977498	263.287	ug/l	99
60) Dibromochloromethane	9.519	129	163715	51.171	ug/l	100
61) 1,2-Dibromoethane	9.610	107	173801	49.765	ug/l	99
64) Tetrachloroethene	9.275	164	140314	44.971	ug/l	96
65) Chlorobenzene	10.079	112	430472	47.454	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	156354	50.126	ug/l	99
67) Ethyl Benzene	10.195	91	798867	48.613	ug/l	97
68) m/p-Xylenes	10.299	106	597926	95.252	ug/l	97
69) o-Xylene	10.640	106	297352	48.354	ug/l	97
70) Styrene	10.653	104	494509	50.374	ug/l	100
71) Bromoform	10.799	173	107560	50.700	ug/l	98
73) Isopropylbenzene	10.963	105	766013	49.160	ug/l	99
74) N-amyl acetate	10.842	43	372218	53.129	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	254887	49.910	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	214074m	49.945	ug/l	
77) Bromobenzene	11.195	156	178811	46.313	ug/l	97
78) n-propylbenzene	11.305	91	877841	48.768	ug/l	99
79) 2-Chlorotoluene	11.366	91	551554	48.531	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	645152	49.520	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	59741	41.771	ug/l #	85
82) 4-Chlorotoluene	11.457	91	638812	48.403	ug/l	99
83) tert-Butylbenzene	11.713	119	600232	49.063	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	644597	48.653	ug/l	99
85) sec-Butylbenzene	11.890	105	725811	48.766	ug/l	100
86) p-Isopropyltoluene	12.012	119	612932	49.388	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	340755	48.462	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	344732	46.942	ug/l	100
89) n-Butylbenzene	12.335	91	517329	47.711	ug/l	98
90) Hexachloroethane	12.536	117	97174	50.537	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	340068	48.291	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	58283	54.675	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	194993	48.958	ug/l	99
94) Hexachlorobutadiene	13.725	225	72946	41.641	ug/l	98
95) Naphthalene	13.774	128	713393	50.409	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	192340	47.887	ug/l	99

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

