

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035377.D
 Acq On : 28 Apr 2023 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/28/2023
 Supervised By : Mahesh Dadoda 04/28/2023

Quant Time: Apr 28 11:42:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	235386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	378278	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	337144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	127970	45.063	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.120%		
35) Dibromofluoromethane	5.385	113	104922	45.191	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.380%		
50) Toluene-d8	8.647	98	385802	44.049	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.100%#		
62) 4-Bromofluorobenzene	11.079	95	145759	44.240	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	128285	51.506	ug/l	100
3) Chloromethane	1.294	50	103047	45.480	ug/l	98
4) Vinyl Chloride	1.374	62	109899	48.360	ug/l	100
5) Bromomethane	1.617	94	68738	45.510	ug/l	97
6) Chloroethane	1.691	64	63960	48.123	ug/l	98
7) Trichlorofluoromethane	1.886	101	182671	51.403	ug/l	100
8) Diethyl Ether	2.130	74	63046	48.657	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	116880	49.243	ug/l	96
10) Methyl Iodide	2.453	142	135648	45.283	ug/l	97
11) Tert butyl alcohol	3.026	59	130806	252.976	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	113642	49.708	ug/l	98
13) Acrolein	2.239	56	105613	207.694	ug/l	100
14) Allyl chloride	2.666	41	192242	47.783	ug/l	97
15) Acrylonitrile	3.068	53	312441	241.595	ug/l	100
16) Acetone	2.398	43	265422	215.201	ug/l	97
17) Carbon Disulfide	2.514	76	276186	50.394	ug/l	99
18) Methyl Acetate	2.709	43	236956	49.682	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	404234	51.539	ug/l	98
20) Methylene Chloride	2.788	84	129428	45.766	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	123634	49.793	ug/l	95
22) Diisopropyl ether	3.757	45	390607	49.062	ug/l	94
23) Vinyl Acetate	3.721	43	1383056	252.729	ug/l	98
24) 1,1-Dichloroethane	3.611	63	228969	51.058	ug/l	99
25) 2-Butanone	4.562	43	412197	228.970	ug/l	95
26) 2,2-Dichloropropane	4.477	77	135131	38.462	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	144508	49.512	ug/l	93
28) Bromochloromethane	4.897	49	83031	43.447	ug/l	87
29) Tetrahydrofuran	5.013	42	267234	231.566	ug/l	94
30) Chloroform	5.092	83	235870	52.102	ug/l	98
31) Cyclohexane	5.470	56	194786	48.354	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	209391	52.777	ug/l	96
36) 1,1-Dichloropropene	5.696	75	174973	48.264	ug/l	98
37) Ethyl Acetate	4.714	43	160383	48.437	ug/l	96
38) Carbon Tetrachloride	5.678	117	182278	52.964	ug/l	100
39) Methylcyclohexane	7.379	83	205159	46.491	ug/l	99
40) Benzene	6.037	78	504462	48.507	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	94011	49.551	ug/l	96
42) 1,2-Dichloroethane	6.086	62	185111	49.922	ug/l	98
43) Isopropyl Acetate	6.336	43	275394	49.498	ug/l	95
44) Trichloroethene	7.129	130	142248	49.651	ug/l	90
45) 1,2-Dichloropropane	7.427	63	130030	49.594	ug/l	98
46) Dibromomethane	7.580	93	91259	50.685	ug/l	92
47) Bromodichloromethane	7.824	83	176425	53.183	ug/l	99
48) Methyl methacrylate	7.690	41	137260	50.294	ug/l	93
49) 1,4-Dioxane	7.726	88	64122	963.892	ug/l #	78
51) 4-Methyl-2-Pentanone	8.574	43	820531	240.051	ug/l	95
52) Toluene	8.720	92	324800	49.271	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	183924	53.089	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	199548	50.960	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	129788	49.388	ug/l	97
56) Ethyl methacrylate	9.116	69	203720	52.039	ug/l	90
57) 1,3-Dichloropropane	9.305	76	220802	49.123	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	477234	243.805	ug/l	95
59) 2-Hexanone	9.433	43	612627	238.573	ug/l	94
60) Dibromochloromethane	9.518	129	138488	55.002	ug/l	100
61) 1,2-Dibromoethane	9.610	107	138123	50.984	ug/l	100
64) Tetrachloroethene	9.275	164	126769	49.108	ug/l	98
65) Chlorobenzene	10.079	112	350634	48.070	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	131629	51.852	ug/l	98
67) Ethyl Benzene	10.195	91	623282	49.342	ug/l	99
68) m/p-Xylenes	10.299	106	478780	98.915	ug/l	99
69) o-Xylene	10.640	106	236086	49.740	ug/l	99
70) Styrene	10.652	104	394873	51.310	ug/l	98
71) Bromoform	10.799	173	98265	55.651	ug/l	100
73) Isopropylbenzene	10.963	105	621976	51.409	ug/l	100
74) N-amyl acetate	10.841	43	235153	51.719	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	187128	49.832	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	155234m	47.019	ug/l	
77) Bromobenzene	11.195	156	154108	51.242	ug/l	90
78) n-propylbenzene	11.305	91	694822	50.005	ug/l	98
79) 2-Chlorotoluene	11.366	91	430477	49.578	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	523527	51.319	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	48406	47.486	ug/l	99
82) 4-Chlorotoluene	11.451	91	489669	50.212	ug/l	97
83) tert-Butylbenzene	11.713	119	518679	50.673	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	521957	50.922	ug/l	100
85) sec-Butylbenzene	11.890	105	623026	49.622	ug/l	100
86) p-Isopropyltoluene	12.012	119	533730	49.982	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	283786	49.653	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	284630	47.498	ug/l	99
89) n-Butylbenzene	12.335	91	430278	47.732	ug/l	99
90) Hexachloroethane	12.536	117	86602	52.980	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	282636	49.444	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	40368	53.610	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	178764	49.752	ug/l	98
94) Hexachlorobutadiene	13.725	225	73570	46.653	ug/l	99
95) Naphthalene	13.774	128	584446	52.836	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	177255	49.005	ug/l	99

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

