

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110723\
 Data File : VX038635.D
 Acq On : 07 Nov 2023 15:31
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/08/2023
 Supervised By : Mahesh Dadoda 11/08/2023

Quant Time: Nov 08 03:07:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 01:38:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	294592	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	452832	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	437585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	254432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	537229	146.481	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 292.960%#			
35) Dibromofluoromethane	5.385	113	490564	150.414	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 300.820%#			
50) Toluene-d8	8.653	98	1710503	146.564	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 293.120%#			
62) 4-Bromofluorobenzene	11.079	95	698921	154.462	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 308.920%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	497783	162.712	ug/l	99
3) Chloromethane	1.301	50	400156	151.331	ug/l	97
4) Vinyl Chloride	1.374	62	437540	155.432	ug/l	98
5) Bromomethane	1.599	94	284231	130.817	ug/l	98
6) Chloroethane	1.666	64	264892	148.617	ug/l	97
7) Trichlorofluoromethane	1.874	101	761258	156.861	ug/l	99
8) Diethyl Ether	2.136	74	254496	152.761	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.325	101	442100	154.068	ug/l	90
10) Methyl Iodide	2.447	142	599233	169.088	ug/l	91
11) Tert butyl alcohol	2.989	59	590986	788.246	ug/l #	91
12) 1,1-Dichloroethene	2.313	96	430204	156.479	ug/l #	79
13) Acrolein	2.240	56	457513	805.125	ug/l	99
14) Allyl chloride	2.660	41	619951	157.434	ug/l #	94
15) Acrylonitrile	3.069	53	1261233	797.100	ug/l	99
16) Acetone	2.386	43	1137009	736.121	ug/l #	89
17) Carbon Disulfide	2.508	76	1143251	156.500	ug/l	99
18) Methyl Acetate	2.703	43	1043825	158.622	ug/l #	87
19) Methyl tert-butyl Ether	3.117	73	1401033	159.357	ug/l	97
20) Methylene Chloride	2.788	84	467995	150.302	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	469238	156.773	ug/l	84
22) Diisopropyl ether	3.764	45	1179655	158.946	ug/l #	82
23) Vinyl Acetate	3.721	43	4250388	806.861	ug/l #	90
24) 1,1-Dichloroethane	3.611	63	758663	154.507	ug/l	97
25) 2-Butanone	4.562	43	1761571	787.280	ug/l #	85
26) 2,2-Dichloropropane	4.477	77	674537	157.336	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	544552	157.553	ug/l	85
28) Bromochloromethane	4.898	49	349173	158.236	ug/l #	59
29) Tetrahydrofuran	5.007	42	1123172	806.798	ug/l #	82
30) Chloroform	5.099	83	864262	150.014	ug/l	97
31) Cyclohexane	5.471	56	640247	157.733	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	809971	159.754	ug/l	95
36) 1,1-Dichloropropene	5.690	75	629605	155.407	ug/l	94
37) Ethyl Acetate	4.715	43	659642	159.475	ug/l #	94
38) Carbon Tetrachloride	5.678	117	736879	162.700	ug/l	98
39) Methylcyclohexane	7.379	83	802689	158.469	ug/l	89
40) Benzene	6.038	78	1799921	154.249	ug/l	99

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41) Methacrylonitrile	4.922	41	349237	165.726	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	657336	156.121	ug/l	95
43) Isopropyl Acetate	6.342	43	1036788	163.038	ug/l #	91
44) Trichloroethene	7.123	130	569282	156.797	ug/l	91
45) 1,2-Dichloropropane	7.434	63	442891	157.006	ug/l	97
46) Dibromomethane	7.580	93	371534	157.493	ug/l #	86
47) Bromodichloromethane	7.824	83	690781	155.702	ug/l	96
48) Methyl methacrylate	7.696	41	505216	164.854	ug/l #	84
49) 1,4-Dioxane	7.665	88	236688	3392.571	ug/l #	84
51) 4-Methyl-2-Pentanone	8.580	43	3292120	794.582	ug/l	90
52) Toluene	8.720	92	1195112	156.344	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	765909	169.569	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	783283	164.270	ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	516624	159.284	ug/l	97
56) Ethyl methacrylate	9.116	69	786211	173.255	ug/l	87
57) 1,3-Dichloropropane	9.311	76	785007	155.392	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	1836259	823.013	ug/l	90
59) 2-Hexanone	9.433	43	2686277	801.292	ug/l	89
60) Dibromochloromethane	9.525	129	609579	167.424	ug/l	100
61) 1,2-Dibromoethane	9.610	107	587770	161.247	ug/l	100
64) Tetrachloroethene	9.275	164	497438	151.869	ug/l	96
65) Chlorobenzene	10.080	112	1389948	156.037	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	549003	163.947	ug/l	99
67) Ethyl Benzene	10.195	91	2328172	154.513	ug/l	95
68) m/p-Xylenes	10.299	106	1877867	314.015	ug/l	91
69) o-Xylene	10.640	106	933662	160.547	ug/l	94
70) Styrene	10.653	104	1586778	165.324	ug/l	95
71) Bromoform	10.799	173	525864	177.918	ug/l #	99
73) Isopropylbenzene	10.964	105	2412043	154.526	ug/l	95
74) N-amyl acetate	10.842	43	937443	172.847	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.214	83	839031	155.483	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	797788m	158.323	ug/l	
77) Bromobenzene	11.201	156	672782	157.047	ug/l	81
78) n-propylbenzene	11.305	91	2783948	153.265	ug/l	95
79) 2-Chlorotoluene	11.366	91	1690354	155.436	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	2126197	158.269	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	289012	150.018	ug/l #	83
82) 4-Chlorotoluene	11.457	91	1985401	156.275	ug/l	92
83) tert-Butylbenzene	11.713	119	2195105	161.256	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	2130651	159.907	ug/l	94
85) sec-Butylbenzene	11.890	105	2661385	156.685	ug/l	95
86) p-Isopropyltoluene	12.006	119	2314090	159.928	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	1279087	156.168	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	1292010	153.471	ug/l	97
89) n-Butylbenzene	12.335	91	2079331	161.486	ug/l	97
90) Hexachloroethane	12.536	117	430356	175.588	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	1237087	154.658	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	227356	167.634	ug/l	65
93) 1,2,4-Trichlorobenzene	13.585	180	917532	160.376	ug/l	97
94) Hexachlorobutadiene	13.725	225	389384	157.728	ug/l	99
95) Naphthalene	13.774	128	2826129	163.763	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	899892	159.581	ug/l	97

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

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