

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081023\
 Data File : VX036909.D
 Acq On : 10 Aug 2023 13:43
 Operator : JC/MD
 Sample : VX0810WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0810WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 11 01:44:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	130124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	225212	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94794	49.234	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.460%		
35) Dibromofluoromethane	5.391	113	78813	50.913	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.820%		
50) Toluene-d8	8.647	98	255809	46.600	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.200%		
62) 4-Bromofluorobenzene	11.079	95	103165	49.812	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.620%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	33312	19.379	ug/l	98
3) Chloromethane	1.301	50	27548	17.620	ug/l	97
4) Vinyl Chloride	1.374	62	30435	19.120	ug/l	95
5) Bromomethane	1.599	94	18863	19.849	ug/l	99
6) Chloroethane	1.685	64	19592	25.315	ug/l	93
7) Trichlorofluoromethane	1.886	101	54473	22.160	ug/l	100
8) Diethyl Ether	2.136	74	19849	20.871	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	30856	20.893	ug/l	98
10) Methyl Iodide	2.453	142	34098	22.228	ug/l	96
11) Tert butyl alcohol	2.965	59	44419	97.448	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	28740	19.724	ug/l	88
13) Acrolein	2.239	56	29719	114.244	ug/l	97
14) Allyl chloride	2.666	41	48302	16.835	ug/l #	95
15) Acrylonitrile	3.062	53	92805	101.241	ug/l	99
16) Acetone	2.380	43	79731	99.794	ug/l	93
17) Carbon Disulfide	2.514	76	69598	17.307	ug/l	99
18) Methyl Acetate	2.703	43	65806	19.579	ug/l #	90
19) Methyl tert-butyl Ether	3.117	73	112777	20.597	ug/l	99
20) Methylene Chloride	2.788	84	33179	18.673	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	32002	19.652	ug/l	90
22) Diisopropyl ether	3.764	45	98271	18.039	ug/l #	91
23) Vinyl Acetate	3.721	43	392311	93.881	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	58905	19.286	ug/l	98
25) 2-Butanone	4.556	43	126758	97.787	ug/l #	90
26) 2,2-Dichloropropane	4.477	77	53489	18.585	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	38251	19.776	ug/l	91
28) Bromochloromethane	4.897	49	27287	18.472	ug/l	85
29) Tetrahydrofuran	5.013	42	81951	98.060	ug/l	88
30) Chloroform	5.093	83	64867	20.758	ug/l	99
31) Cyclohexane	5.471	56	47930	17.979	ug/l	85
32) 1,1,1-Trichloroethane	5.385	97	57953	20.240	ug/l	98
36) 1,1-Dichloropropene	5.696	75	45364	19.661	ug/l	98
37) Ethyl Acetate	4.715	43	50644	19.393	ug/l	96
38) Carbon Tetrachloride	5.684	117	49964	20.369	ug/l	94
39) Methylcyclohexane	7.379	83	48607	16.942	ug/l	92
40) Benzene	6.037	78	132433	19.728	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	26735	19.141	ug/l #	90
42) 1,2-Dichloroethane	6.092	62	51244	20.879	ug/l	96
43) Isopropyl Acetate	6.342	43	82281	18.304	ug/l #	95
44) Trichloroethene	7.129	130	36134	20.593	ug/l	99
45) 1,2-Dichloropropane	7.434	63	33985	18.962	ug/l	96
46) Dibromomethane	7.586	93	26227	20.909	ug/l	97
47) Bromodichloromethane	7.824	83	50384	19.569	ug/l	96
48) Methyl methacrylate	7.696	41	38874	18.595	ug/l #	88
49) 1,4-Dioxane	7.659	88	17351	410.841	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	248669	99.961	ug/l	94
52) Toluene	8.720	92	86681	20.608	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	53995	18.554	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	57548	18.741	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	36274	20.516	ug/l	99
56) Ethyl methacrylate	9.116	69	56890	19.760	ug/l	91
57) 1,3-Dichloropropane	9.311	76	61125	20.756	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	141725	99.903	ug/l	95
59) 2-Hexanone	9.433	43	190532	103.199	ug/l	93
60) Dibromochloromethane	9.525	129	38210	19.662	ug/l	100
61) 1,2-Dibromoethane	9.610	107	38585	21.056	ug/l	100
64) Tetrachloroethene	9.275	164	32308	21.539	ug/l	95
65) Chlorobenzene	10.079	112	90806	20.485	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	34578	20.181	ug/l	100
67) Ethyl Benzene	10.195	91	163135	20.145	ug/l	100
68) m/p-Xylenes	10.299	106	125370	41.493	ug/l	99
69) o-Xylene	10.640	106	61657	20.444	ug/l	100
70) Styrene	10.653	104	100187	20.134	ug/l	98
71) Bromoform	10.799	173	26786	19.313	ug/l #	97
73) Isopropylbenzene	10.963	105	157832	18.878	ug/l	98
74) N-amyl acetate	10.842	43	67004	17.186	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	54244	19.209	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	46051m	19.380	ug/l	
77) Bromobenzene	11.195	156	37668	19.783	ug/l	94
78) n-propylbenzene	11.305	91	178293	18.439	ug/l	100
79) 2-Chlorotoluene	11.366	91	110774	18.906	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	134879	19.284	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	16565	15.800	ug/l	91
82) 4-Chlorotoluene	11.457	91	128794	19.292	ug/l	99
83) tert-Butylbenzene	11.713	119	130577	19.003	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	134526	19.232	ug/l	98
85) sec-Butylbenzene	11.890	105	153003	17.855	ug/l	99
86) p-Isopropyltoluene	12.012	119	130210	18.467	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	70430	19.972	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	70999	20.287	ug/l	99
89) n-Butylbenzene	12.329	91	108504	17.190	ug/l	100
90) Hexachloroethane	12.536	117	21314	14.911	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	71557	21.027	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	12734	19.406	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	40013	19.084	ug/l	98
94) Hexachlorobutadiene	13.725	225	15553	17.931	ug/l	99
95) Naphthalene	13.774	128	154334	21.124	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	41502	20.084	ug/l	99

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

