

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101623\
 Data File : VX038298.D
 Acq On : 16 Oct 2023 12:50
 Operator : JC/MD
 Sample : VX1016WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/17/2023
 Supervised By : Mahesh Dadoda 10/18/2023

Quant Time: Oct 17 01:20:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	148173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	261055	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	256937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	114165	47.903	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.800%		
35) Dibromofluoromethane	5.385	113	91832	48.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.640%		
50) Toluene-d8	8.647	98	339974	47.297	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.600%		
62) 4-Bromofluorobenzene	11.079	95	133418	48.960	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26043	18.209	ug/l	95
3) Chloromethane	1.301	50	27241	18.687	ug/l	100
4) Vinyl Chloride	1.374	62	33922	20.988	ug/l	96
5) Bromomethane	1.605	94	30956	13.969	ug/l	96
6) Chloroethane	1.685	64	22923	19.472	ug/l	94
7) Trichlorofluoromethane	1.886	101	64189	20.107	ug/l	97
8) Diethyl Ether	2.130	74	24078	20.223	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	29131	20.902	ug/l	99
10) Methyl Iodide	2.453	142	37721	18.811	ug/l	95
11) Tert butyl alcohol	2.953	59	48560	84.982	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	27710	20.440	ug/l	88
13) Acrolein	2.233	56	29422	86.840	ug/l	99
14) Allyl chloride	2.660	41	45972	18.959	ug/l	97
15) Acrylonitrile	3.062	53	109239	100.720	ug/l	98
16) Acetone	2.374	43	104209	104.769	ug/l #	88
17) Carbon Disulfide	2.514	76	62906	16.100	ug/l	99
18) Methyl Acetate	2.703	43	90038	21.109	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	106810	19.783	ug/l	100
20) Methylene Chloride	2.788	84	34606	18.497	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	31358	18.682	ug/l	93
22) Diisopropyl ether	3.764	45	97880	19.260	ug/l	86
23) Vinyl Acetate	3.721	43	356285	95.598	ug/l	98
24) 1,1-Dichloroethane	3.611	63	58135	18.849	ug/l	100
25) 2-Butanone	4.550	43	158210	98.582	ug/l	92
26) 2,2-Dichloropropane	4.477	77	43368	18.010	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	38264	19.141	ug/l	92
28) Bromochloromethane	4.898	49	27988	20.102	ug/l #	81
29) Tetrahydrofuran	5.001	42	101065	96.726	ug/l	88
30) Chloroform	5.093	83	67267	19.945	ug/l	99
31) Cyclohexane	5.471	56	44907	17.392	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	55835	19.328	ug/l	98
36) 1,1-Dichloropropene	5.696	75	46022	17.742	ug/l	99
37) Ethyl Acetate	4.708	43	57771	18.753	ug/l	97
38) Carbon Tetrachloride	5.678	117	47314	18.542	ug/l	99
39) Methylcyclohexane	7.379	83	53104	17.478	ug/l	92
40) Benzene	6.038	78	136512	18.816	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	29270	19.099	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	54051	18.647	ug/l	99
43) Isopropyl Acetate	6.342	43	84868	18.454	ug/l	97
44) Trichloroethene	7.129	130	36755	19.369	ug/l	99
45) 1,2-Dichloropropane	7.434	63	35974	19.158	ug/l	97
46) Dibromomethane	7.580	93	28769	19.754	ug/l	98
47) Bromodichloromethane	7.824	83	50607	19.533	ug/l	95
48) Methyl methacrylate	7.696	41	41392	18.853	ug/l #	85
49) 1,4-Dioxane	7.659	88	22340	412.932	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	311976	98.348	ug/l	96
52) Toluene	8.720	92	90893	19.232	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	52229	18.781	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	55942	19.146	ug/l	89
55) 1,1,2-Trichloroethane	9.153	97	40055	19.815	ug/l	96
56) Ethyl methacrylate	9.116	69	58695	18.938	ug/l	92
57) 1,3-Dichloropropane	9.305	76	66072	20.209	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	138862	91.275	ug/l	99
59) 2-Hexanone	9.427	43	255475	100.179	ug/l	95
60) Dibromochloromethane	9.519	129	40208	20.323	ug/l	100
61) 1,2-Dibromoethane	9.610	107	43096	19.714	ug/l	98
64) Tetrachloroethene	9.275	164	31828	19.135	ug/l	99
65) Chlorobenzene	10.079	112	102481	19.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	36408	20.025	ug/l	99
67) Ethyl Benzene	10.195	91	180126	18.769	ug/l	98
68) m/p-Xylenes	10.299	106	138453	37.310	ug/l	99
69) o-Xylene	10.640	106	67285	18.578	ug/l	100
70) Styrene	10.653	104	113333	19.215	ug/l	97
71) Bromoform	10.799	173	28938	19.038	ug/l #	100
73) Isopropylbenzene	10.963	105	181515	19.227	ug/l	100
74) N-amyl acetate	10.842	43	74921	18.583	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	71998	20.783	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	64418m	20.128	ug/l	
77) Bromobenzene	11.195	156	45102	19.568	ug/l	91
78) n-propylbenzene	11.305	91	216863	18.786	ug/l	99
79) 2-Chlorotoluene	11.366	91	127322	18.598	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	155233	19.059	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	16709	18.049	ug/l	97
82) 4-Chlorotoluene	11.451	91	151478	18.698	ug/l	97
83) tert-Butylbenzene	11.713	119	151950	19.092	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	154450	19.019	ug/l	96
85) sec-Butylbenzene	11.890	105	196981	19.107	ug/l	100
86) p-Isopropyltoluene	12.012	119	162808	19.141	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	87805	18.966	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	89915	19.024	ug/l	99
89) n-Butylbenzene	12.335	91	153189	18.084	ug/l	97
90) Hexachloroethane	12.536	117	26732	18.955	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	86747	19.494	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16056	19.169	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	56794	19.028	ug/l	97
94) Hexachlorobutadiene	13.725	225	23339	19.428	ug/l	98
95) Naphthalene	13.774	128	196414	18.897	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	55385	19.164	ug/l	98

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

