

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102623\
 Data File : VX038520.D
 Acq On : 26 Oct 2023 16:06
 Operator : JC/MD
 Sample : VX1026WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1026WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2023
 Supervised By : Mahesh Dadoda 10/27/2023

Quant Time: Oct 27 05:18:02 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	5.550	168	197122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	308408	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	300603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	178428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	132588	41.818	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	83.640%		
35) Dibromofluoromethane	5.385	113	121226	54.550	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.100%		
50) Toluene-d8	8.647	98	412331	48.556	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.120%		
62) 4-Bromofluorobenzene	11.079	95	167859	52.141	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	37571	19.746	ug/l	97
3) Chloromethane	1.301	50	34113	17.590	ug/l	99
4) Vinyl Chloride	1.374	62	39349	18.300	ug/l	99
5) Bromomethane	1.605	94	43960	14.970	ug/l	96
6) Chloroethane	1.685	64	26249	16.503	ug/l	98
7) Trichlorofluoromethane	1.886	101	73095	17.211	ug/l	99
8) Diethyl Ether	2.130	74	26766	16.898	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.331	101	41300	22.275	ug/l	93
10) Methyl Iodide	2.453	142	51833	19.430	ug/l	93
11) Tert butyl alcohol	2.953	59	59029	76.650	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	37404	20.740	ug/l	81
13) Acrolein	2.233	56	59023	130.949	ug/l	100
14) Allyl chloride	2.666	41	55252	17.128	ug/l #	95
15) Acrylonitrile	3.062	53	132258	91.663	ug/l	99
16) Acetone	2.374	43	128864	97.385	ug/l	93
17) Carbon Disulfide	2.508	76	84232	16.205	ug/l	98
18) Methyl Acetate	2.703	43	109113	19.229	ug/l #	91
19) Methyl tert-butyl Ether	3.111	73	132935	18.507	ug/l	96
20) Methylene Chloride	2.788	84	45433	18.254	ug/l	85
21) trans-1,2-Dichloroethene	3.093	96	42751	19.145	ug/l	84
22) Diisopropyl ether	3.757	45	119941	17.740	ug/l #	95
23) Vinyl Acetate	3.721	43	421221	84.957	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	74730	18.213	ug/l	98
25) 2-Butanone	4.550	43	185320	86.800	ug/l	90
26) 2,2-Dichloropropane	4.471	77	57777	18.036	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	50913	19.144	ug/l	86
28) Bromochloromethane	4.897	49	32845	17.733	ug/l #	72
29) Tetrahydrofuran	5.007	42	113938	81.968	ug/l #	85
30) Chloroform	5.093	83	84827	18.906	ug/l	99
31) Cyclohexane	5.471	56	56728	16.514	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	72068	18.753	ug/l	97
36) 1,1-Dichloropropene	5.690	75	58184	18.987	ug/l	95
37) Ethyl Acetate	4.715	43	65247	17.928	ug/l	96
38) Carbon Tetrachloride	5.678	117	63333	21.008	ug/l	98
39) Methylcyclohexane	7.379	83	68533	19.093	ug/l	90
40) Benzene	6.037	78	173385	20.229	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	34130	18.851	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	63903	18.661	ug/l	97
43) Isopropyl Acetate	6.336	43	98996	18.221	ug/l #	94
44) Trichloroethene	7.123	130	51465	22.957	ug/l	93
45) 1,2-Dichloropropane	7.434	63	44649	20.127	ug/l	96
46) Dibromomethane	7.580	93	35422	20.588	ug/l #	90
47) Bromodichloromethane	7.824	83	64781	21.165	ug/l	99
48) Methyl methacrylate	7.690	41	47958	18.490	ug/l #	82
49) 1,4-Dioxane	7.659	88	21485	336.153	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	353026	94.201	ug/l	94
52) Toluene	8.720	92	114857	20.571	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	63266	19.256	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	68581	19.868	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	50863	21.298	ug/l	97
56) Ethyl methacrylate	9.116	69	70822	19.342	ug/l	91
57) 1,3-Dichloropropane	9.305	76	77800	20.142	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	155015	86.248	ug/l	96
59) 2-Hexanone	9.427	43	282671	93.825	ug/l	93
60) Dibromochloromethane	9.519	129	53490	22.885	ug/l	100
61) 1,2-Dibromoethane	9.610	107	54345	21.043	ug/l	98
64) Tetrachloroethene	9.275	164	43958	22.589	ug/l	95
65) Chlorobenzene	10.079	112	133878	21.283	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	48280	22.698	ug/l	98
67) Ethyl Benzene	10.195	91	226517	20.174	ug/l	97
68) m/p-Xylenes	10.299	106	178904	41.208	ug/l	97
69) o-Xylene	10.640	106	85779	20.244	ug/l	98
70) Styrene	10.653	104	147426	21.365	ug/l	96
71) Bromoform	10.799	173	40280	22.107	ug/l #	99
73) Isopropylbenzene	10.963	105	234269	19.578	ug/l	98
74) N-amyl acetate	10.842	43	85038	16.642	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	86457	19.691	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	74690m	18.413	ug/l	
77) Bromobenzene	11.195	156	61204	20.950	ug/l	84
78) n-propylbenzene	11.305	91	274631	18.770	ug/l	98
79) 2-Chlorotoluene	11.366	91	161542	18.617	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	201534	19.522	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	20053	17.305	ug/l	97
82) 4-Chlorotoluene	11.451	91	192590	18.757	ug/l	95
83) tert-Butylbenzene	11.713	119	199312	19.759	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	202344	19.658	ug/l	97
85) sec-Butylbenzene	11.890	105	256181	19.605	ug/l	99
86) p-Isopropyltoluene	12.006	119	217218	20.148	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	120385	20.516	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	121527	20.287	ug/l	97
89) n-Butylbenzene	12.335	91	193370	18.010	ug/l	96
90) Hexachloroethane	12.536	117	35420	19.815	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	117895	20.902	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19342	18.220	ug/l	70
93) 1,2,4-Trichlorobenzene	13.591	180	83431	22.054	ug/l	96
94) Hexachlorobutadiene	13.725	225	31821	20.899	ug/l	98
95) Naphthalene	13.774	128	258698	19.637	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	79908	21.815	ug/l	97

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

