

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021223\
 Data File : VX034126.D
 Acq On : 10 Feb 2023 19:45
 Operator : JC/MD
 Sample : 01519-08MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10-GW-698-700MSD

Quant Time: Feb 11 00:39:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/13/2023
 Supervised By : Mahesh Dadoda 02/13/2023

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	110671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	151880	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	55947	52.438	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.880%			
35) Dibromofluoromethane	5.385	113	47833	49.485	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.980%			
50) Toluene-d8	8.646	98	167706	48.155	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.300%			
62) 4-Bromofluorobenzene	11.079	95	63957	51.419	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	46370	51.542	ug/l	100
3) Chloromethane	1.294	50	37970	44.723	ug/l	96
4) Vinyl Chloride	1.373	62	38715	43.543	ug/l	100
5) Bromomethane	1.599	94	25972	56.726	ug/l	98
6) Chloroethane	1.684	64	23464	47.724	ug/l	100
7) Trichlorofluoromethane	1.885	101	73965	52.285	ug/l	99
8) Diethyl Ether	2.129	74	22538	46.320	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.330	101	44262	46.863	ug/l	90
10) Methyl Iodide	2.452	142	66021	49.340	ug/l	96
11) Tert butyl alcohol	2.952	59	42571	284.797	ug/l #	80
12) 1,1-Dichloroethene	2.318	96	41782	46.109	ug/l	93
13) Acrolein	2.233	56	48027	239.549	ug/l	100
14) Allyl chloride	2.666	41	68646	46.463	ug/l	93
15) Acrylonitrile	3.056	53	120653	251.626	ug/l	98
16) Acetone	2.373	43	106092	235.432	ug/l	96
17) Carbon Disulfide	2.513	76	101779	44.270	ug/l	98
18) Methyl Acetate	2.696	43	68833	49.105	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	149515	53.508	ug/l	99
20) Methylene Chloride	2.788	84	48187	46.741	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	47446	48.073	ug/l	94
22) Diisopropyl ether	3.757	45	137081	47.017	ug/l	95
23) Vinyl Acetate	3.720	43	519479	233.981	ug/l	97
24) 1,1-Dichloroethane	3.611	63	83965	49.963	ug/l	100
25) 2-Butanone	4.550	43	161324	245.858	ug/l	94
26) 2,2-Dichloropropane	4.476	77	59857	48.827	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	55667	49.035	ug/l	96
28) Bromochloromethane	4.897	49	33848	45.811	ug/l #	80
29) Tetrahydrofuran	4.995	42	102036	244.497	ug/l	91
30) Chloroform	5.092	83	91774	52.398	ug/l	100
31) Cyclohexane	5.470	56	70496	45.372	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	83957	55.661	ug/l	96
36) 1,1-Dichloropropene	5.696	75	65656	49.541	ug/l	99
37) Ethyl Acetate	4.708	43	60957	49.375	ug/l	99
38) Carbon Tetrachloride	5.677	117	76607	54.198	ug/l	98
39) Methylcyclohexane	7.378	83	76422	45.810	ug/l	95
40) Benzene	6.037	78	186766	48.706	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	35254	50.741	ug/l	93
42) 1,2-Dichloroethane	6.086	62	73491	56.401	ug/l	100
43) Isopropyl Acetate	6.336	43	98468	51.142	ug/l	97
44) Trichloroethene	7.122	130	58816	49.907	ug/l	98
45) 1,2-Dichloropropane	7.427	63	46868	49.504	ug/l	100
46) Dibromomethane	7.580	93	35896	52.922	ug/l	94
47) Bromodichloromethane	7.823	83	71391	55.545	ug/l	99
48) Methyl methacrylate	7.689	41	53227	53.543	ug/l	94
49) 1,4-Dioxane	7.659	88	20515	1072.114	ug/l #	95
51) 4-Methyl-2-Pentanone	8.573	43	319236	264.334	ug/l	97
52) Toluene	8.720	92	125269	50.409	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	71045	54.987	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	76489	52.034	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	52838	53.231	ug/l	96
56) Ethyl methacrylate	9.116	69	76056	54.860	ug/l	96
57) 1,3-Dichloropropane	9.305	76	83480	51.483	ug/l	99
59) 2-Hexanone	9.427	43	235640	266.620	ug/l	97
60) Dibromochloromethane	9.518	129	61626	56.018	ug/l	100
61) 1,2-Dibromoethane	9.610	107	57219	53.608	ug/l	100
64) Tetrachloroethene	9.274	164	54878	47.944	ug/l	98
65) Chlorobenzene	10.079	112	141248	49.891	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	57563	53.805	ug/l	98
67) Ethyl Benzene	10.195	91	243697	50.856	ug/l	100
68) m/p-Xylenes	10.299	106	192899	100.708	ug/l	98
69) o-Xylene	10.640	106	95155	51.726	ug/l	98
70) Styrene	10.652	104	155669	51.379	ug/l	99
71) Bromoform	10.799	173	51188	58.657	ug/l #	99
73) Isopropylbenzene	10.963	105	250216	50.576	ug/l	100
74) N-amyl acetate	10.841	43	79857	48.997	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	75384	50.642	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	60709m	47.761	ug/l	
77) Bromobenzene	11.201	156	69443	50.619	ug/l	96
78) n-propylbenzene	11.305	91	274211	50.129	ug/l	99
79) 2-Chlorotoluene	11.365	91	166182	50.173	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	210890	51.212	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	21416	51.888	ug/l	98
82) 4-Chlorotoluene	11.457	91	190298	50.799	ug/l	99
83) tert-Butylbenzene	11.713	119	222741	52.355	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	212351	51.616	ug/l	99
85) sec-Butylbenzene	11.890	105	254443	49.986	ug/l	100
86) p-Isopropyltoluene	12.012	119	227263	50.904	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	126469	50.241	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	126788	49.610	ug/l	99
89) n-Butylbenzene	12.335	91	175147	50.038	ug/l	99
90) Hexachloroethane	12.542	117	37733	53.687	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	122562	49.923	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	16914	57.784	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	85568	49.329	ug/l	99
94) Hexachlorobutadiene	13.725	225	40770	47.484	ug/l	100
95) Naphthalene	13.774	128	245748	51.564	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	85204	48.899	ug/l	99

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

