

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090723\
 Data File : VX037593.D
 Acq On : 07 Sep 2023 21:11
 Operator : JC/MD
 Sample : 04327-06MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-03-127-090623MSD

Quant Time: Sep 08 00:52:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2023
 Supervised By : Mahesh Dadoda 09/08/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	70557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	147721	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	73664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71876	70.660	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 141.320%#			
35) Dibromofluoromethane	5.391	113	63338	64.742	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 129.480%#			
50) Toluene-d8	8.647	98	197387	55.622	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.240%			
62) 4-Bromofluorobenzene	11.079	95	85059	60.991	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	29548	36.052	ug/l	97
3) Chloromethane	1.307	50	43963	61.312	ug/l	98
4) Vinyl Chloride	1.374	62	40752	52.214	ug/l	98
5) Bromomethane	1.593	94	20274	52.149	ug/l	98
6) Chloroethane	1.666	64	20528	44.696	ug/l	100
7) Trichlorofluoromethane	1.874	101	55136	43.125	ug/l	98
8) Diethyl Ether	2.136	74	38139	77.105	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.319	101	31996	42.899	ug/l	95
10) Methyl Iodide	2.447	142	60465	66.702	ug/l	91
11) Tert butyl alcohol	2.983	59	95653	400.871	ug/l #	93
12) 1,1-Dichloroethene	2.313	96	75728	104.263	ug/l #	80
13) Acrolein	2.239	56	77144	424.981	ug/l	97
14) Allyl chloride	2.660	41	68022	60.507	ug/l #	86
15) Acrylonitrile	3.069	53	203097	476.873	ug/l	98
16) Acetone	2.386	43	174964	439.674	ug/l #	84
17) Carbon Disulfide	2.502	76	72675	39.337	ug/l	98
18) Methyl Acetate	2.709	43	123530	82.445	ug/l #	85
19) Methyl tert-butyl Ether	3.117	73	215480	78.225	ug/l	98
20) Methylene Chloride	2.782	84	65125	73.181	ug/l #	82
21) trans-1,2-Dichloroethene	3.087	96	50151	60.741	ug/l	85
22) Diisopropyl ether	3.770	45	169005	73.261	ug/l #	76
23) Vinyl Acetate	3.721	43	623482	352.686	ug/l #	89
24) 1,1-Dichloroethane	3.605	63	108545	75.032	ug/l	97
25) 2-Butanone	4.562	43	267709	446.793	ug/l #	86
26) 2,2-Dichloropropane	4.471	77	40110	31.046	ug/l	78
27) cis-1,2-Dichloroethene	4.489	96	118173	121.407	ug/l	79
28) Bromochloromethane	4.904	49	48937	75.725	ug/l #	69
29) Tetrahydrofuran	5.013	42	163899	428.926	ug/l #	79
30) Chloroform	5.093	83	113618	69.964	ug/l	96
31) Cyclohexane	5.471	56	46488	40.645	ug/l #	83
32) 1,1,1-Trichloroethane	5.379	97	81930	56.300	ug/l	95
36) 1,1-Dichloropropene	5.690	75	56407	40.583	ug/l	96
37) Ethyl Acetate	4.721	43	89158	62.795	ug/l #	91
38) Carbon Tetrachloride	5.678	117	63570	42.104	ug/l	97
39) Methylcyclohexane	7.379	83	49893	34.166	ug/l	90
40) Benzene	6.038	78	227656	57.109	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	52945	71.732	ug/l #	85
42) 1,2-Dichloroethane	6.086	62	97633	62.455	ug/l	91
43) Isopropyl Acetate	6.348	43	141447	62.750	ug/l #	88
44) Trichloroethene	7.123	130	202483	179.134	ug/l	95
45) 1,2-Dichloropropane	7.434	63	63142	64.240	ug/l	96
46) Dibromomethane	7.580	93	50396	65.085	ug/l	91
47) Bromodichloromethane	7.824	83	92306	62.238	ug/l	99
48) Methyl methacrylate	7.696	41	72638	66.077	ug/l #	77
49) 1,4-Dioxane	7.665	88	44491	1502.771	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	495970	362.346	ug/l #	87
52) Toluene	8.720	92	145632	55.293	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	90834	57.521	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	96936	56.804	ug/l #	82
55) 1,1,2-Trichloroethane	9.153	97	78669	73.352	ug/l	97
56) Ethyl methacrylate	9.116	69	117628	70.021	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	124793	69.024	ug/l	100
59) 2-Hexanone	9.433	43	376958	361.189	ug/l	83
60) Dibromochloromethane	9.525	129	77561	67.924	ug/l	98
61) 1,2-Dibromoethane	9.610	107	81800	69.662	ug/l	99
64) Tetrachloroethene	9.275	164	39194	35.789	ug/l	97
65) Chlorobenzene	10.080	112	168428	53.084	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	69557	59.398	ug/l	99
67) Ethyl Benzene	10.195	91	265059	47.476	ug/l	99
68) m/p-Xylenes	10.299	106	207551	96.266	ug/l	96
69) o-Xylene	10.640	106	111188	52.271	ug/l	97
70) Styrene	10.653	104	194312	55.455	ug/l	96
71) Bromoform	10.799	173	57334	65.454	ug/l #	97
73) Isopropylbenzene	10.964	105	259119	48.395	ug/l	99
74) N-amyl acetate	10.842	43	116648	56.068	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	127223	70.555	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	100421m	64.011	ug/l	
77) Bromobenzene	11.195	156	75879	58.027	ug/l	90
78) n-propylbenzene	11.305	91	274231	45.996	ug/l	98
79) 2-Chlorotoluene	11.366	91	197533	51.846	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	225840	50.564	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	30368	54.066	ug/l	86
82) 4-Chlorotoluene	11.457	91	219640	49.941	ug/l	97
83) tert-Butylbenzene	11.713	119	231465	54.340	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	233225	51.667	ug/l	96
85) sec-Butylbenzene	11.890	105	242946	48.830	ug/l	98
86) p-Isopropyltoluene	12.012	119	208025	48.569	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	130175	53.171	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	131750	52.088	ug/l	98
89) n-Butylbenzene	12.335	91	153216	43.148	ug/l	99
90) Hexachloroethane	12.536	117	39268	54.930	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	142256	59.339	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27673	66.048	ug/l	72
93) 1,2,4-Trichlorobenzene	13.585	180	74738	53.280	ug/l	98
94) Hexachlorobutadiene	13.725	225	22395	41.326	ug/l	98
95) Naphthalene	13.774	128	339545	55.260	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	83777	60.114	ug/l	99

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

