

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111822\
 Data File : VX032937.D
 Acq On : 18 Nov 2022 19:56
 Operator : JC/MD
 Sample : N5671-17MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D3-20221116MSD

Quant Time: Nov 19 03:12:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/21/2022
 Supervised By : Mahesh Dadoda 11/21/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	87605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	139307	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	129703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65566	53.864	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.720%			
35) Dibromofluoromethane	5.391	113	55584	55.937	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.880%			
50) Toluene-d8	8.647	98	179019	51.810	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.620%			
62) 4-Bromofluorobenzene	11.079	95	77083	57.111	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	42914	42.472	ug/l	98
3) Chloromethane	1.294	50	35383	41.408	ug/l	98
4) Vinyl Chloride	1.374	62	41984	44.644	ug/l	99
5) Bromomethane	1.618	94	37652	50.101	ug/l	94
6) Chloroethane	1.691	64	40276	63.840	ug/l	100
7) Trichlorofluoromethane	1.886	101	88757	49.811	ug/l	99
8) Diethyl Ether	2.136	74	29557	51.186	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	49398	52.524	ug/l	100
10) Methyl Iodide	2.453	142	55391	52.838	ug/l	99
11) Tert butyl alcohol	3.008	59	47460m	267.879	ug/l	
12) 1,1-Dichloroethene	2.319	96	42751	48.660	ug/l	97
13) Acrolein	2.239	56	50136	283.464	ug/l	100
14) Allyl chloride	2.666	41	73286	52.329	ug/l	99
15) Acrylonitrile	3.069	53	125877	261.794	ug/l	99
16) Acetone	2.392	43	110769	250.374	ug/l	100
17) Carbon Disulfide	2.514	76	83314	39.814	ug/l	100
18) Methyl Acetate	2.703	43	78913	54.851	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	174585	56.539	ug/l	100
20) Methylene Chloride	2.788	84	51957	51.221	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	46829	48.968	ug/l	94
22) Diisopropyl ether	3.757	45	175253	57.853	ug/l	90
23) Vinyl Acetate	3.721	43	618750	252.820	ug/l	100
24) 1,1-Dichloroethane	3.611	63	95841	55.004	ug/l	99
25) 2-Butanone	4.562	43	177316	258.695	ug/l	97
26) 2,2-Dichloropropane	4.477	77	72625	52.434	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	61172	55.340	ug/l	98
28) Bromochloromethane	4.904	49	30336	48.878	ug/l	100
29) Tetrahydrofuran	5.007	42	110524	252.875	ug/l	99
30) Chloroform	5.093	83	112065	58.613	ug/l	97
31) Cyclohexane	5.471	56	71981	48.771	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	98035	57.139	ug/l	100
36) 1,1-Dichloropropene	5.696	75	70566	50.996	ug/l	99
37) Ethyl Acetate	4.715	43	67223	46.671	ug/l	99
38) Carbon Tetrachloride	5.678	117	84142	54.824	ug/l	97
39) Methylcyclohexane	7.379	83	76347	46.632	ug/l	97
40) Benzene	6.037	78	210536	53.766	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	41608	56.706	ug/l	98
42) 1,2-Dichloroethane	6.086	62	90317	56.424	ug/l	100
43) Isopropyl Acetate	6.342	43	115760	52.343	ug/l	99
44) Trichloroethene	7.123	130	62038	56.279	ug/l	98
45) 1,2-Dichloropropane	7.427	63	56711	56.418	ug/l	99
46) Dibromomethane	7.580	93	42478	55.102	ug/l	99
47) Bromodichloromethane	7.824	83	87870	60.142	ug/l	98
48) Methyl methacrylate	7.690	41	60347	52.835	ug/l	99
49) 1,4-Dioxane	7.702	88	23483	1078.828	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	381393	273.792	ug/l	100
52) Toluene	8.720	92	143030	55.985	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	85279	57.207	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	89693	56.254	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	61763	57.404	ug/l	98
56) Ethyl methacrylate	9.116	69	87344	56.412	ug/l	98
57) 1,3-Dichloropropane	9.311	76	98789	56.857	ug/l	99
59) 2-Hexanone	9.433	43	282632	273.438	ug/l	100
60) Dibromochloromethane	9.519	129	69128	58.823	ug/l	100
61) 1,2-Dibromoethane	9.610	107	64445	56.529	ug/l	99
64) Tetrachloroethene	9.275	164	49917	52.581	ug/l	98
65) Chlorobenzene	10.079	112	157853	54.331	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	63353	57.937	ug/l	99
67) Ethyl Benzene	10.195	91	284364	54.732	ug/l	99
68) m/p-Xylenes	10.299	106	218288	108.199	ug/l	99
69) o-Xylene	10.640	106	109683	55.917	ug/l	100
70) Styrene	10.659	104	186142	57.100	ug/l	99
71) Bromoform	10.799	173	50794	58.752	ug/l #	100
73) Isopropylbenzene	10.963	105	298451	52.962	ug/l	100
74) N-amyl acetate	10.842	43	105262	49.437	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	95817	52.972	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	85176m	53.837	ug/l	
77) Bromobenzene	11.201	156	73707	53.352	ug/l	99
78) n-propylbenzene	11.305	91	341673	52.626	ug/l	100
79) 2-Chlorotoluene	11.366	91	207116	53.267	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	253088	52.549	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	24400	49.075	ug/l	97
82) 4-Chlorotoluene	11.457	91	241345	53.046	ug/l	99
83) tert-Butylbenzene	11.713	119	259199	53.906	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	252702	52.754	ug/l	100
85) sec-Butylbenzene	11.890	105	305199	52.750	ug/l	100
86) p-Isopropyltoluene	12.012	119	260095	52.979	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	139342	53.469	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	139167	51.475	ug/l	99
89) n-Butylbenzene	12.335	91	219959	51.500	ug/l	100
90) Hexachloroethane	12.536	117	43518	54.269	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	138485	53.893	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19265	48.576	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	84872	50.655	ug/l	97
94) Hexachlorobutadiene	13.725	225	36093	51.580	ug/l	98
95) Naphthalene	13.774	128	278884	49.954	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	84020	49.332	ug/l	98

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

