

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070721\
 Data File : VX023183.D
 Acq On : 07 Jul 2021 19:24
 Operator : JC/MD
 Sample : M2939-07MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-BR2-070221MSD

Manual Integrations
 APPROVED

MMDadoda
 7/8/2021 9:42:24 AM

Quant Time: Jul 08 03:24:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	260305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	423608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	392198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	196255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	170449	48.721	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.440%		
35) Dibromofluoromethane	5.397	113	129617	47.384	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.760%		
50) Toluene-d8	8.653	98	479661	47.007	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.020%		
62) 4-Bromofluorobenzene	11.085	95	189952	48.220	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	129002	54.694	ug/l	98
3) Chloromethane	1.295	50	114826	49.206	ug/l	98
4) Vinyl Chloride	1.374	62	130638	52.847	ug/l	98
5) Bromomethane	1.599	94	55843	43.399	ug/l	98
6) Chloroethane	1.679	64	81618	50.492	ug/l	99
7) Trichlorofluoromethane	1.886	101	213180	49.622	ug/l	97
8) Diethyl Ether	2.142	74	78687	49.625	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	130234	51.802	ug/l	98
10) Methyl Iodide	2.453	142	161409	52.285	ug/l	94
11) Tert butyl alcohol	2.983	59	183390	249.173	ug/l	97
12) 1,1-Dichloroethene	2.319	96	119924	51.683	ug/l	95
13) Acrolein	2.246	56	90908	185.489	ug/l	99
14) Allyl chloride	2.666	41	213172	52.868	ug/l	92
15) Acrylonitrile	3.075	53	379786	265.379	ug/l	98
16) Acetone	2.392	43	350589	253.296	ug/l	91
17) Carbon Disulfide	2.514	76	248324	50.743	ug/l	99
18) Methyl Acetate	2.715	43	167526	49.861	ug/l	93
19) Methyl tert-butyl Ether	3.123	73	467431	53.862	ug/l	100
20) Methylene Chloride	2.794	84	140379	47.107	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	127919	51.045	ug/l	98
22) Diisopropyl ether	3.776	45	440790	51.853	ug/l	94
23) Vinyl Acetate	3.733	43	1840439	255.809	ug/l	95
24) 1,1-Dichloroethane	3.617	63	252648	52.602	ug/l	98
25) 2-Butanone	4.568	43	540841	259.127	ug/l	94
26) 2,2-Dichloropropane	4.483	77	199787	49.559	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	177882	58.603	ug/l	99
28) Bromochloromethane	4.910	49	113366	49.751	ug/l	98
29) Tetrahydrofuran	5.019	42	348458	259.720	ug/l	92
30) Chloroform	5.105	83	271050	52.242	ug/l	100
31) Cyclohexane	5.483	56	208051	49.668	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	247193	54.704	ug/l	99
36) 1,1-Dichloropropene	5.702	75	182125	48.227	ug/l	99
37) Ethyl Acetate	4.727	43	200721	48.724	ug/l	95
38) Carbon Tetrachloride	5.684	117	209525	53.155	ug/l	99
39) Methylcyclohexane	7.385	83	215076	48.695	ug/l	98
40) Benzene	6.050	78	552886	50.427	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	116300	50.500	ug/l	93
42) 1,2-Dichloroethane	6.099	62	225005	51.072	ug/l	95
43) Isopropyl Acetate	6.355	43	335466	48.957	ug/l	94
44) Trichloroethene	7.135	130	158635	51.003	ug/l	99
45) 1,2-Dichloropropane	7.440	63	144971	50.651	ug/l	98
46) Dibromomethane	7.586	93	102924	50.353	ug/l	98
47) Bromodichloromethane	7.830	83	199353	53.417	ug/l	98
48) Methyl methacrylate	7.702	41	168653	50.160	ug/l	89
49) 1,4-Dioxane	7.665	88	79317	1048.165	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	1085668	255.687	ug/l	93
52) Toluene	8.726	92	385373	54.311	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	219228	46.660	ug/l	100
54) cis-1,3-Dichloropropene	8.373	75	229881	46.939	ug/l	92
55) 1,1,2-Trichloroethane	9.159	97	152673	51.238	ug/l	98
56) Ethyl methacrylate	9.122	69	241332	52.414	ug/l #	88
57) 1,3-Dichloropropane	9.311	76	251079	50.981	ug/l	100
59) 2-Hexanone	9.433	43	836996	256.913	ug/l	90
60) Dibromochloromethane	9.525	129	154714	46.719	ug/l	99
61) 1,2-Dibromoethane	9.616	107	158618	51.867	ug/l	99
64) Tetrachloroethene	9.281	164	144078	46.059	ug/l	95
65) Chlorobenzene	10.086	112	396932	51.198	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	154487	55.111	ug/l	98
67) Ethyl Benzene	10.195	91	709276	51.751	ug/l	98
68) m/p-Xylenes	10.305	106	543292	103.830	ug/l	98
69) o-Xylene	10.647	106	275756	52.292	ug/l	99
70) Styrene	10.659	104	457003	53.053	ug/l	98
71) Bromoform	10.805	173	110867	46.810	ug/l	98
73) Isopropylbenzene	10.964	105	725987	52.510	ug/l	99
74) N-amyl acetate	10.848	43	287618	49.025	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.220	83	232157	52.852	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	212039m	53.690	ug/l	
77) Bromobenzene	11.201	156	176866	51.237	ug/l	98
78) n-propylbenzene	11.305	91	830590	51.954	ug/l	99
79) 2-Chlorotoluene	11.366	91	507926	51.406	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	607388	51.023	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	68488	48.575	ug/l	93
82) 4-Chlorotoluene	11.457	91	578741	51.867	ug/l	100
83) tert-Butylbenzene	11.719	119	607699	53.783	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	609836	51.839	ug/l	98
85) sec-Butylbenzene	11.896	105	756046	52.002	ug/l	99
86) p-Isopropyltoluene	12.012	119	635188	52.082	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	326916	50.434	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	331903	50.852	ug/l	99
89) n-Butylbenzene	12.335	91	541839	50.718	ug/l	98
90) Hexachloroethane	12.543	117	102782	49.310	ug/l	94
91) 1,2-Dichlorobenzene	12.341	146	330233	51.213	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	53741	49.879	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	198372	49.942	ug/l	97
94) Hexachlorobutadiene	13.731	225	82685	49.164	ug/l	99
95) Naphthalene	13.780	128	725058	49.500	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	201156	50.353	ug/l	99

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

