

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083022\
 Data File : VX030948.D
 Acq On : 30 Aug 2022 18:56
 Operator : JC/MD
 Sample : VX0830WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/31/2022
 Supervised By : Mahesh Dadoda 08/31/2022

Quant Time: Aug 31 03:13:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X083022W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 30 14:24:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	185435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	331322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	293979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	135450	50.927	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.860%			
35) Dibromofluoromethane	5.391	113	119548	48.948	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.900%			
50) Toluene-d8	8.653	98	456046	50.421	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.840%			
62) 4-Bromofluorobenzene	11.085	95	162669	50.504	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.000%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	36993	18.857	ug/l	95
3) Chloromethane	1.288	50	37155	18.792	ug/l	99
4) Vinyl Chloride	1.374	62	42974	18.397	ug/l	97
5) Bromomethane	1.593	94	15381	18.701	ug/l	98
6) Chloroethane	1.672	64	24286	17.292	ug/l	98
7) Trichlorofluoromethane	1.880	101	66945	18.844	ug/l	93
8) Diethyl Ether	2.136	74	25733	18.769	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	42346	18.535	ug/l	95
10) Methyl Iodide	2.447	142	31097	17.753	ug/l	97
11) Tert butyl alcohol	2.977	59	69911	110.947	ug/l	100
12) 1,1-Dichloroethene	2.313	96	42693	18.944	ug/l	96
13) Acrolein	2.239	56	31771	103.705	ug/l	95
14) Allyl chloride	2.660	41	69855	19.106	ug/l	96
15) Acrylonitrile	3.068	53	148126	106.454	ug/l	99
16) Acetone	2.386	43	120430	100.326	ug/l	99
17) Carbon Disulfide	2.508	76	106246	17.863	ug/l	96
18) Methyl Acetate	2.709	43	71763	20.379	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	149907	20.423	ug/l	98
20) Methylene Chloride	2.788	84	52991	19.416	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	46827	19.163	ug/l	95
22) Diisopropyl ether	3.770	45	146209	19.407	ug/l #	86
23) Vinyl Acetate	3.727	43	599917	99.257	ug/l	98
24) 1,1-Dichloroethane	3.611	63	87342	19.797	ug/l	98
25) 2-Butanone	4.568	43	197692	101.733	ug/l	96
26) 2,2-Dichloropropane	4.477	77	56133	16.883	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	55898	19.851	ug/l	98
28) Bromochloromethane	4.904	49	28014	19.629	ug/l	91
29) Tetrahydrofuran	5.013	42	130446	103.767	ug/l	95
30) Chloroform	5.099	83	90343	19.739	ug/l	95
31) Cyclohexane	5.477	56	72557	18.432	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	75232	19.390	ug/l	98
36) 1,1-Dichloropropene	5.696	75	63428	17.473	ug/l	98
37) Ethyl Acetate	4.721	43	74657	19.563	ug/l	97
38) Carbon Tetrachloride	5.684	117	64336	18.616	ug/l	94
39) Methylcyclohexane	7.385	83	82469	18.574	ug/l	98
40) Benzene	6.044	78	195633	18.699	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39649	19.128	ug/l	95
42) 1,2-Dichloroethane	6.098	62	65994	18.989	ug/l	99
43) Isopropyl Acetate	6.348	43	111384	18.809	ug/l	97
44) Trichloroethene	7.129	130	56072	18.192	ug/l	97
45) 1,2-Dichloropropane	7.434	63	50869	18.215	ug/l	97
46) Dibromomethane	7.586	93	35273	18.495	ug/l	94
47) Bromodichloromethane	7.830	83	68026	18.554	ug/l #	97
48) Methyl methacrylate	7.696	41	54479	18.379	ug/l	92
49) 1,4-Dioxane	7.665	88	30767	394.951	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	380981	97.473	ug/l	96
52) Toluene	8.720	92	124328	19.448	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	69529	18.794	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	76702	18.123	ug/l	91
55) 1,1,2-Trichloroethane	9.159	97	54412	19.622	ug/l	98
56) Ethyl methacrylate	9.122	69	79178	19.496	ug/l	93
57) 1,3-Dichloropropane	9.311	76	87490	19.130	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	210746	103.321	ug/l	98
59) 2-Hexanone	9.433	43	299822	103.156	ug/l	96
60) Dibromochloromethane	9.525	129	51990	18.865	ug/l	98
61) 1,2-Dibromoethane	9.610	107	57925	20.233	ug/l	98
64) Tetrachloroethene	9.275	164	53154	19.116	ug/l	96
65) Chlorobenzene	10.079	112	133404	19.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	47900	19.448	ug/l	98
67) Ethyl Benzene	10.195	91	236912	19.214	ug/l	100
68) m/p-Xylenes	10.305	106	186050	39.836	ug/l	97
69) o-Xylene	10.646	106	91913	20.108	ug/l	96
70) Styrene	10.659	104	152962	19.823	ug/l	99
71) Bromoform	10.805	173	37758	19.537	ug/l #	99
73) Isopropylbenzene	10.963	105	242575	20.007	ug/l	100
74) N-amyl acetate	10.848	43	91281	19.473	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	84237	20.280	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	76956m	20.397	ug/l	
77) Bromobenzene	11.201	156	61620	20.973	ug/l	93
78) n-propylbenzene	11.305	91	275430	19.384	ug/l	100
79) 2-Chlorotoluene	11.366	91	166857	18.906	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	214273	20.974	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	23830	18.779	ug/l	97
82) 4-Chlorotoluene	11.457	91	194548	19.719	ug/l	98
83) tert-Butylbenzene	11.719	119	196944	19.638	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	217975	20.841	ug/l	96
85) sec-Butylbenzene	11.896	105	255351	19.617	ug/l	99
86) p-Isopropyltoluene	12.012	119	219206	20.299	ug/l	100
87) 1,3-Dichlorobenzene	11.975	146	114230	19.719	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	119809	20.171	ug/l	98
89) n-Butylbenzene	12.335	91	194907	19.284	ug/l	97
90) Hexachloroethane	12.542	117	35636	18.796	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	120526	20.511	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20485	19.770	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	72752	19.368	ug/l	98
94) Hexachlorobutadiene	13.725	225	31498	19.746	ug/l	97
95) Naphthalene	13.780	128	276492	20.581	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	74260	19.580	ug/l	99

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

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