

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051222\
 Data File : VX028644.D
 Acq On : 12 May 2022 17:39
 Operator : JC/MD
 Sample : VX0512WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0512WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/13/2022
 Supervised By : Mahesh Dadoda 05/13/2022

Quant Time: May 13 02:47:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	235602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	393050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	182607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	173323	53.668	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.340%			
35) Dibromofluoromethane	5.385	113	139527	54.181	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.360%			
50) Toluene-d8	8.653	98	528106	54.393	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.780%			
62) 4-Bromofluorobenzene	11.079	95	192984	53.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	66414	21.528	ug/l	99
3) Chloromethane	1.288	50	57537	19.804	ug/l	99
4) Vinyl Chloride	1.374	62	63971	20.432	ug/l	98
5) Bromomethane	1.599	94	51638	20.003	ug/l	98
6) Chloroethane	1.679	64	41965	19.955	ug/l	97
7) Trichlorofluoromethane	1.886	101	101724	20.378	ug/l	99
8) Diethyl Ether	2.130	74	36899	20.287	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	52189	19.868	ug/l	95
10) Methyl Iodide	2.453	142	57395	18.250	ug/l	94
11) Tert butyl alcohol	2.959	59	74105	103.445	ug/l	99
12) 1,1-Dichloroethene	2.319	96	48883	20.047	ug/l	97
13) Acrolein	2.233	56	54569	102.942	ug/l	97
14) Allyl chloride	2.660	41	77410	19.794	ug/l	90
15) Acrylonitrile	3.062	53	164197	105.524	ug/l	99
16) Acetone	2.380	43	143448	103.494	ug/l	92
17) Carbon Disulfide	2.508	76	123494	19.538	ug/l	100
18) Methyl Acetate	2.703	43	74697	21.517	ug/l	92
19) Methyl tert-butyl Ether	3.117	73	181316	20.954	ug/l	99
20) Methylene Chloride	2.788	84	56849	19.550	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	54997	20.024	ug/l	99
22) Diisopropyl ether	3.764	45	174563	20.887	ug/l	92
23) Vinyl Acetate	3.721	43	775194	107.595	ug/l	96
24) 1,1-Dichloroethane	3.611	63	99210	20.419	ug/l	99
25) 2-Butanone	4.556	43	232742	106.976	ug/l	96
26) 2,2-Dichloropropane	4.471	77	75782	19.893	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	63406	19.766	ug/l	98
28) Bromochloromethane	4.897	49	42823	20.939	ug/l	92
29) Tetrahydrofuran	5.001	42	151502	107.129	ug/l	92
30) Chloroform	5.093	83	106384	20.232	ug/l	99
31) Cyclohexane	5.471	56	89725	20.015	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	92423	20.134	ug/l	99
36) 1,1-Dichloropropene	5.696	75	77848	20.127	ug/l	99
37) Ethyl Acetate	4.715	43	88717	21.960	ug/l	96
38) Carbon Tetrachloride	5.684	117	79253	20.360	ug/l	99
39) Methylcyclohexane	7.385	83	90397	20.379	ug/l	96
40) Benzene	6.044	78	230108	20.700	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	45442	20.978	ug/l	95
42) 1,2-Dichloroethane	6.092	62	85708	20.903	ug/l	98
43) Isopropyl Acetate	6.342	43	135927	21.506	ug/l	94
44) Trichloroethene	7.129	130	62090	20.595	ug/l	98
45) 1,2-Dichloropropane	7.434	63	57468	20.720	ug/l	97
46) Dibromomethane	7.586	93	43210	20.862	ug/l	92
47) Bromodichloromethane	7.824	83	78445	20.400	ug/l	98
48) Methyl methacrylate	7.696	41	66613	21.818	ug/l	85
49) 1,4-Dioxane	7.665	88	32804	430.080	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	457450	109.881	ug/l	93
52) Toluene	8.720	92	150804	21.089	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	80284	19.183	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	90590	20.937	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	61260	21.009	ug/l	99
56) Ethyl methacrylate	9.116	69	94866	21.484	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	103859	21.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	238540	110.340	ug/l	100
59) 2-Hexanone	9.433	43	359804	111.241	ug/l	90
60) Dibromochloromethane	9.525	129	59814	21.033	ug/l	95
61) 1,2-Dibromoethane	9.610	107	65502	21.388	ug/l	99
64) Tetrachloroethene	9.275	164	56568	20.835	ug/l	97
65) Chlorobenzene	10.079	112	160173	21.000	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	55970	20.715	ug/l	99
67) Ethyl Benzene	10.195	91	290801	21.271	ug/l	99
68) m/p-Xylenes	10.305	106	226300	42.516	ug/l	98
69) o-Xylene	10.646	106	110438	21.074	ug/l	97
70) Styrene	10.659	104	183088	21.514	ug/l	98
71) Bromoform	10.799	173	40990	19.479	ug/l #	100
73) Isopropylbenzene	10.963	105	288987	20.868	ug/l	99
74) N-amyl acetate	10.848	43	116958	21.486	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	100461	21.146	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	90900m	21.256	ug/l	
77) Bromobenzene	11.201	156	66788	20.383	ug/l	94
78) n-propylbenzene	11.305	91	334466	20.880	ug/l	100
79) 2-Chlorotoluene	11.366	91	200110	20.382	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	243061	21.065	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	25145	20.053	ug/l #	82
82) 4-Chlorotoluene	11.457	91	233819	20.601	ug/l	100
83) tert-Butylbenzene	11.719	119	233529	20.903	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	244057	21.092	ug/l	98
85) sec-Butylbenzene	11.890	105	287746	20.880	ug/l	100
86) p-Isopropyltoluene	12.012	119	244093	21.108	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	129679	20.178	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	132963	19.946	ug/l	97
89) n-Butylbenzene	12.335	91	203566	20.317	ug/l	97
90) Hexachloroethane	12.542	117	38138	20.394	ug/l	87
91) 1,2-Dichlorobenzene	12.335	146	128665	20.379	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21100	20.800	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	74246	20.361	ug/l	97
94) Hexachlorobutadiene	13.725	225	30433	20.544	ug/l	94
95) Naphthalene	13.774	128	279837	21.566	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	74265	20.278	ug/l	95

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

