

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028217.D
 Acq On : 20 Apr 2022 23:56
 Operator : JC/MD
 Sample : VX0420WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 21 06:19:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	307376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	501038	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	472566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	247542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	194807	48.607	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.220%		
35) Dibromofluoromethane	5.391	113	175464	49.937	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.880%		
50) Toluene-d8	8.653	98	651330	48.262	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.520%		
62) 4-Bromofluorobenzene	11.085	95	238953	46.307	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	40454	20.388	ug/l	98
3) Chloromethane	1.294	50	48515	22.948	ug/l	99
4) Vinyl Chloride	1.374	62	60858	19.640	ug/l	99
5) Bromomethane	1.599	94	51946	12.712	ug/l	98
6) Chloroethane	1.685	64	44213	17.851	ug/l	99
7) Trichlorofluoromethane	1.886	101	118558	17.350	ug/l	95
8) Diethyl Ether	2.130	74	41215	18.086	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	56177	22.569	ug/l	99
10) Methyl Iodide	2.453	142	71788	24.115	ug/l	96
11) Tert butyl alcohol	2.959	59	84082	103.737	ug/l	97
12) 1,1-Dichloroethene	2.319	96	54345	23.006	ug/l	94
13) Acrolein	2.233	56	53232	108.376	ug/l	98
14) Allyl chloride	2.666	41	73817	18.623	ug/l	92
15) Acrylonitrile	3.062	53	158239	96.885	ug/l	99
16) Acetone	2.374	43	137636	111.664	ug/l	93
17) Carbon Disulfide	2.514	76	124155	19.517	ug/l	99
18) Methyl Acetate	2.703	43	69483	19.499	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	192777	19.570	ug/l	97
20) Methylene Chloride	2.788	84	61714	20.753	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	61068	19.009	ug/l	96
22) Diisopropyl ether	3.764	45	164187	18.186	ug/l #	88
23) Vinyl Acetate	3.721	43	721507	91.476	ug/l	100
24) 1,1-Dichloroethane	3.611	63	103862	19.484	ug/l	98
25) 2-Butanone	4.556	43	218327	91.982	ug/l	98
26) 2,2-Dichloropropane	4.477	77	79362	15.248	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	73168	19.101	ug/l	90
28) Bromochloromethane	4.904	49	44399	19.413	ug/l	85
29) Tetrahydrofuran	5.007	42	139205	89.945	ug/l	99
30) Chloroform	5.093	83	118825	18.561	ug/l	99
31) Cyclohexane	5.477	56	89161	18.260	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	108487	18.714	ug/l	98
36) 1,1-Dichloropropene	5.696	75	83610	18.242	ug/l	98
37) Ethyl Acetate	4.715	43	83120	17.873	ug/l	99
38) Carbon Tetrachloride	5.684	117	94050	18.177	ug/l	99
39) Methylcyclohexane	7.385	83	100279	17.340	ug/l	94
40) Benzene	6.044	78	249697	18.611	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	42512	17.717	ug/l	99
42) 1,2-Dichloroethane	6.092	62	90366	18.145	ug/l	100
43) Isopropyl Acetate	6.342	43	130351	17.222	ug/l	98
44) Trichloroethene	7.129	130	74830	19.233	ug/l	97
45) 1,2-Dichloropropane	7.434	63	59282	18.052	ug/l	99
46) Dibromomethane	7.586	93	48339	18.764	ug/l	98
47) Bromodichloromethane	7.824	83	87441	17.661	ug/l	98
48) Methyl methacrylate	7.696	41	61907	17.815	ug/l	94
49) 1,4-Dioxane	7.659	88	34342	369.415	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	432091	88.961	ug/l	96
52) Toluene	8.720	92	168683	18.097	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	87934	16.711	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	95791	16.952	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	69767	18.422	ug/l	100
56) Ethyl methacrylate	9.116	69	98326	17.911	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	111411	18.226	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	238813	92.717	ug/l	92
59) 2-Hexanone	9.433	43	339097	90.128	ug/l	94
60) Dibromochloromethane	9.525	129	72350	17.524	ug/l	96
61) 1,2-Dibromoethane	9.610	107	76679	18.456	ug/l	99
64) Tetrachloroethene	9.275	164	71360	19.332	ug/l	98
65) Chlorobenzene	10.079	112	191162	18.973	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	69979	18.645	ug/l	99
67) Ethyl Benzene	10.195	91	325232	19.250	ug/l	97
68) m/p-Xylenes	10.305	106	263202	38.278	ug/l	96
69) o-Xylene	10.646	106	131091	19.122	ug/l	96
70) Styrene	10.659	104	213149	19.191	ug/l	99
71) Bromoform	10.799	173	50951	17.234	ug/l #	100
73) Isopropylbenzene	10.963	105	339192	19.936	ug/l	100
74) N-amyl acetate	10.848	43	109893	18.687	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	108402	19.634	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	94882m	19.476	ug/l	
77) Bromobenzene	11.201	156	86345	19.486	ug/l	90
78) n-propylbenzene	11.305	91	372703	19.755	ug/l	95
79) 2-Chlorotoluene	11.366	91	227389	19.386	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	288568	19.980	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	25087	15.303	ug/l	88
82) 4-Chlorotoluene	11.457	91	262043	19.394	ug/l	95
83) tert-Butylbenzene	11.713	119	292289	19.819	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	285532	19.888	ug/l	98
85) sec-Butylbenzene	11.890	105	350360	19.691	ug/l	98
86) p-Isopropyltoluene	12.012	119	300596	19.583	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	162705	19.541	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	165289	18.907	ug/l	99
89) n-Butylbenzene	12.335	91	236210	18.741	ug/l	96
90) Hexachloroethane	12.542	117	45005	17.517	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	162554	19.653	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22788	18.559	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	97505	19.820	ug/l	99
94) Hexachlorobutadiene	13.725	225	39571	18.026	ug/l	94
95) Naphthalene	13.780	128	342853	20.921	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	97164	20.122	ug/l	97

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

