

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042222\
 Data File : VX028276.D
 Acq On : 22 Apr 2022 14:06
 Operator : JC/MD
 Sample : VX0422WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0422WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2022
 Supervised By : Mahesh Dadoda 04/25/2022

Quant Time: Apr 22 15:55:25 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	5.550	168	373251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	578546	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	533860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	287458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	220897	45.389	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.780%		
35) Dibromofluoromethane	5.385	113	199910	49.272	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.540%		
50) Toluene-d8	8.653	98	730685	46.889	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.780%		
62) 4-Bromofluorobenzene	11.079	95	273785	45.949	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	63773	26.468	ug/l	100
3) Chloromethane	1.294	50	55741	21.577	ug/l	100
4) Vinyl Chloride	1.374	62	67078	17.827	ug/l	96
5) Bromomethane	1.599	94	58917	11.227	ug/l	97
6) Chloroethane	1.684	64	49040	16.007	ug/l	100
7) Trichlorofluoromethane	1.886	101	129330	15.586	ug/l	97
8) Diethyl Ether	2.130	74	46723	16.664	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	67573	22.356	ug/l	97
10) Methyl Iodide	2.453	142	76551	21.815	ug/l	97
11) Tert butyl alcohol	2.959	59	86867	86.714	ug/l	98
12) 1,1-Dichloroethene	2.319	96	61119	21.307	ug/l	93
13) Acrolein	2.233	56	78085	130.917	ug/l	98
14) Allyl chloride	2.666	41	82842	17.211	ug/l	93
15) Acrylonitrile	3.062	53	182699	92.119	ug/l	99
16) Acetone	2.373	43	149967	100.051	ug/l	98
17) Carbon Disulfide	2.514	76	132607	17.166	ug/l	99
18) Methyl Acetate	2.703	43	78907	18.235	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	223454	18.681	ug/l	96
20) Methylene Chloride	2.788	84	71572	19.820	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	69059	17.702	ug/l	90
22) Diisopropyl ether	3.757	45	187858	17.136	ug/l #	79
23) Vinyl Acetate	3.721	43	827913	86.441	ug/l	100
24) 1,1-Dichloroethane	3.611	63	115050	17.773	ug/l	99
25) 2-Butanone	4.556	43	245268	85.095	ug/l	100
26) 2,2-Dichloropropane	4.477	77	99075	15.676	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	84032	18.065	ug/l	91
28) Bromochloromethane	4.897	49	48824	17.580	ug/l	84
29) Tetrahydrofuran	5.001	42	156156	83.090	ug/l	98
30) Chloroform	5.092	83	133737	17.203	ug/l	96
31) Cyclohexane	5.470	56	98247	16.570	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	119901	17.033	ug/l	98
36) 1,1-Dichloropropene	5.690	75	93290	17.627	ug/l	97
37) Ethyl Acetate	4.714	43	95467	17.778	ug/l	100
38) Carbon Tetrachloride	5.678	117	103717	17.360	ug/l	100
39) Methylcyclohexane	7.379	83	116307	17.417	ug/l	96
40) Benzene	6.037	78	279502	18.042	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	50646	18.280	ug/l	97
42) 1,2-Dichloroethane	6.086	62	100368	17.453	ug/l	100
43) Isopropyl Acetate	6.342	43	149251	17.077	ug/l	98
44) Trichloroethene	7.129	130	86326	19.216	ug/l	93
45) 1,2-Dichloropropane	7.433	63	67017	17.673	ug/l	99
46) Dibromomethane	7.586	93	55100	18.523	ug/l	100
47) Bromodichloromethane	7.824	83	97527	17.059	ug/l	97
48) Methyl methacrylate	7.696	41	68811	17.149	ug/l	93
49) 1,4-Dioxane	7.659	88	39928	371.962	ug/l	91
51) 4-Methyl-2-Pentanone	8.573	43	493587	88.007	ug/l	97
52) Toluene	8.720	92	191381	17.782	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	100788	16.588	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	110862	16.991	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	80856	18.490	ug/l	98
56) Ethyl methacrylate	9.116	69	113375	17.885	ug/l #	94
57) 1,3-Dichloropropane	9.311	76	127444	18.056	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	295136	99.233	ug/l	93
59) 2-Hexanone	9.433	43	378987	87.235	ug/l	96
60) Dibromochloromethane	9.525	129	80991	16.989	ug/l	95
61) 1,2-Dibromoethane	9.610	107	87452	18.229	ug/l	99
64) Tetrachloroethene	9.275	164	84662	20.303	ug/l	98
65) Chlorobenzene	10.079	112	215644	18.945	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	78447	18.501	ug/l	99
67) Ethyl Benzene	10.195	91	365342	19.142	ug/l	96
68) m/p-Xylenes	10.305	106	296742	38.201	ug/l	95
69) o-Xylene	10.640	106	147502	19.045	ug/l	95
70) Styrene	10.658	104	240748	19.188	ug/l	99
71) Bromoform	10.799	173	58408	17.436	ug/l #	100
73) Isopropylbenzene	10.963	105	380692	19.268	ug/l	100
74) N-amyl acetate	10.847	43	127139	18.617	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	121961	19.022	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	107472m	18.997	ug/l	
77) Bromobenzene	11.201	156	100402	19.512	ug/l	88
78) n-propylbenzene	11.305	91	424262	19.365	ug/l	96
79) 2-Chlorotoluene	11.366	91	255449	18.754	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	326851	19.488	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	30082	15.802	ug/l	87
82) 4-Chlorotoluene	11.457	91	293271	18.691	ug/l	94
83) tert-Butylbenzene	11.719	119	328593	19.187	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	321952	19.311	ug/l	96
85) sec-Butylbenzene	11.890	105	398918	19.307	ug/l	98
86) p-Isopropyltoluene	12.012	119	347793	19.512	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	185109	19.145	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	192148	18.927	ug/l	99
89) n-Butylbenzene	12.335	91	273835	18.709	ug/l	97
90) Hexachloroethane	12.542	117	51432	17.268	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	187832	19.556	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24813	17.402	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	116437	20.382	ug/l	98
94) Hexachlorobutadiene	13.725	225	50827	19.939	ug/l	91
95) Naphthalene	13.774	128	399848	21.011	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	116932	20.853	ug/l	98

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

