

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051822\
 Data File : VX028807.D
 Acq On : 18 May 2022 15:42
 Operator : JC/MD
 Sample : VX0518WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/19/2022

Quant Time: May 19 01:35:02 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	221982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	371998	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	394565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	167695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151083	49.652	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.300%		
35) Dibromofluoromethane	5.391	113	119841	49.170	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.340%		
50) Toluene-d8	8.653	98	445763	48.511	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.020%		
62) 4-Bromofluorobenzene	11.079	95	166057	48.383	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	53809	18.512	ug/l	100
3) Chloromethane	1.294	50	50467	18.436	ug/l	99
4) Vinyl Chloride	1.374	62	57251	19.407	ug/l	99
5) Bromomethane	1.599	94	36698	13.559	ug/l	100
6) Chloroethane	1.685	64	39663	20.025	ug/l	99
7) Trichlorofluoromethane	1.886	101	104623	22.245	ug/l	100
8) Diethyl Ether	2.130	74	34393	20.069	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	46149	18.646	ug/l	97
10) Methyl Iodide	2.453	142	50341	16.989	ug/l	95
11) Tert butyl alcohol	2.959	59	57969	84.486	ug/l	97
12) 1,1-Dichloroethene	2.319	96	42498	18.498	ug/l	97
13) Acrolein	2.233	56	43044	86.183	ug/l	99
14) Allyl chloride	2.666	41	66205	17.967	ug/l	90
15) Acrylonitrile	3.062	53	134254	91.575	ug/l	98
16) Acetone	2.380	43	115904	88.753	ug/l	93
17) Carbon Disulfide	2.514	76	99657	16.734	ug/l	99
18) Methyl Acetate	2.703	43	61534	18.813	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	155616	19.088	ug/l	98
20) Methylene Chloride	2.788	84	50181	18.316	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	46263	17.877	ug/l	97
22) Diisopropyl ether	3.763	45	147444	18.725	ug/l #	90
23) Vinyl Acetate	3.721	43	638252	94.023	ug/l	96
24) 1,1-Dichloroethane	3.611	63	85221	18.616	ug/l	99
25) 2-Butanone	4.556	43	182900	89.225	ug/l	97
26) 2,2-Dichloropropane	4.483	77	62211	17.333	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	56062	18.549	ug/l	99
28) Bromochloromethane	4.903	49	36089	18.729	ug/l	97
29) Tetrahydrofuran	5.007	42	118223	88.726	ug/l	93
30) Chloroform	5.099	83	93024	18.776	ug/l	100
31) Cyclohexane	5.477	56	76740	18.169	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	79495	18.380	ug/l	99
36) 1,1-Dichloropropene	5.696	75	66463	18.156	ug/l	99
37) Ethyl Acetate	4.714	43	70771	18.509	ug/l	99
38) Carbon Tetrachloride	5.678	117	68764	18.665	ug/l	97
39) Methylcyclohexane	7.379	83	78730	18.753	ug/l	96
40) Benzene	6.043	78	198286	18.847	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	38835	18.943	ug/l	93
42) 1,2-Dichloroethane	6.086	62	73327	18.895	ug/l	100
43) Isopropyl Acetate	6.342	43	112784	18.854	ug/l	95
44) Trichloroethene	7.129	130	52894	18.538	ug/l	97
45) 1,2-Dichloropropane	7.433	63	49718	18.941	ug/l	99
46) Dibromomethane	7.586	93	37095	18.923	ug/l	92
47) Bromodichloromethane	7.824	83	67387	18.516	ug/l	98
48) Methyl methacrylate	7.696	41	54452	18.844	ug/l #	86
49) 1,4-Dioxane	7.659	88	22197	307.485	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	374483	95.043	ug/l	93
52) Toluene	8.720	92	128136	18.933	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	65898	16.854	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	75480	18.432	ug/l #	85
55) 1,1,2-Trichloroethane	9.153	97	53350	19.332	ug/l	97
56) Ethyl methacrylate	9.116	69	79942	19.129	ug/l #	83
57) 1,3-Dichloropropane	9.311	76	89264	19.177	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	202053	98.752	ug/l	99
59) 2-Hexanone	9.433	43	287432	93.895	ug/l	91
60) Dibromochloromethane	9.525	129	50952	18.931	ug/l	95
61) 1,2-Dibromoethane	9.610	107	54381	18.761	ug/l	98
64) Tetrachloroethene	9.275	164	49068	16.468	ug/l	96
65) Chlorobenzene	10.079	112	154826	18.497	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	59487	20.062	ug/l	99
67) Ethyl Benzene	10.195	91	298288	19.882	ug/l	100
68) m/p-Xylenes	10.305	106	216042	36.986	ug/l	96
69) o-Xylene	10.640	106	94813	16.487	ug/l	99
70) Styrene	10.659	104	156765	16.786	ug/l	97
71) Bromoform	10.799	173	34405	15.333	ug/l #	99
73) Isopropylbenzene	10.963	105	248463	19.538	ug/l	99
74) N-amyl acetate	10.848	43	98332	19.670	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	85222	19.534	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	75826m	19.308	ug/l	
77) Bromobenzene	11.201	156	59065	19.629	ug/l	95
78) n-propylbenzene	11.305	91	286912	19.504	ug/l	100
79) 2-Chlorotoluene	11.366	91	171096	18.977	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	208589	19.685	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19321	17.411	ug/l #	77
82) 4-Chlorotoluene	11.457	91	198671	19.061	ug/l	99
83) tert-Butylbenzene	11.713	119	207274	20.203	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	210292	19.790	ug/l	100
85) sec-Butylbenzene	11.890	105	253054	19.996	ug/l	99
86) p-Isopropyltoluene	12.012	119	213286	20.084	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	115035	19.491	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	112634	18.399	ug/l	98
89) n-Butylbenzene	12.335	91	179103	19.465	ug/l	98
90) Hexachloroethane	12.542	117	32183	18.740	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	112846	19.463	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17703	19.004	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	66094	19.737	ug/l	98
94) Hexachlorobutadiene	13.725	225	27088	19.911	ug/l	95
95) Naphthalene	13.780	128	245477	20.600	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	66351	19.728	ug/l	96

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

