

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110122\
 Data File : VX032504.D
 Acq On : 01 Nov 2022 11:39
 Operator : JC/MD
 Sample : VX1101WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1101WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/02/2022
 Supervised By : Mahesh Dadoda 11/02/2022

Quant Time: Nov 02 05:26:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	113632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	177102	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	159182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78320	49.604	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.200%		
35) Dibromofluoromethane	5.385	113	63014	49.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.760%		
50) Toluene-d8	8.647	98	214153	48.752	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.500%		
62) 4-Bromofluorobenzene	11.079	95	83970	48.936	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.880%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	25779	19.670	ug/l	98
3) Chloromethane	1.295	50	21082	19.021	ug/l	98
4) Vinyl Chloride	1.374	62	23780	19.495	ug/l	98
5) Bromomethane	1.605	94	20741	21.277	ug/l	98
6) Chloroethane	1.685	64	14927	18.241	ug/l	100
7) Trichlorofluoromethane	1.886	101	44606	19.299	ug/l	99
8) Diethyl Ether	2.130	74	14104	18.831	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	23656	19.392	ug/l	99
10) Methyl Iodide	2.453	142	27338	21.292	ug/l	100
11) Tert butyl alcohol	2.965	59	20677	89.976	ug/l	99
12) 1,1-Dichloroethene	2.319	96	21580	18.937	ug/l	95
13) Acrolein	2.233	56	30598	133.373	ug/l	98
14) Allyl chloride	2.666	41	35003	19.269	ug/l	98
15) Acrylonitrile	3.063	53	57247	91.790	ug/l	100
16) Acetone	2.380	43	53696	93.571	ug/l	99
17) Carbon Disulfide	2.514	76	50541	18.620	ug/l	99
18) Methyl Acetate	2.703	43	36446	19.531	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	75091	18.748	ug/l	98
20) Methylene Chloride	2.788	84	24609	18.704	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	22626	18.240	ug/l	97
22) Diisopropyl ether	3.758	45	72531	18.459	ug/l #	86
23) Vinyl Acetate	3.721	43	292267	92.067	ug/l	98
24) 1,1-Dichloroethane	3.611	63	42628	18.861	ug/l	99
25) 2-Butanone	4.556	43	80187	90.193	ug/l	100
26) 2,2-Dichloropropane	4.477	77	35076	19.524	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	28024	19.545	ug/l	98
28) Bromochloromethane	4.898	49	14144	17.569	ug/l	96
29) Tetrahydrofuran	5.007	42	51431	90.720	ug/l	99
30) Chloroform	5.099	83	47430	19.125	ug/l	99
31) Cyclohexane	5.471	56	35762	18.681	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	43558	19.573	ug/l	99
36) 1,1-Dichloropropene	5.696	75	32632	18.549	ug/l	99
37) Ethyl Acetate	4.715	43	31976	17.462	ug/l	98
38) Carbon Tetrachloride	5.684	117	38486	19.725	ug/l	98
39) Methylcyclohexane	7.379	83	39430	18.944	ug/l	100
40) Benzene	6.038	78	94038	18.890	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	17813	19.096	ug/l	99
42) 1,2-Dichloroethane	6.092	62	38695	19.015	ug/l	99
43) Isopropyl Acetate	6.342	43	52403	18.638	ug/l	99
44) Trichloroethene	7.129	130	26650	19.017	ug/l	97
45) 1,2-Dichloropropane	7.434	63	24280	19.000	ug/l	100
46) Dibromomethane	7.586	93	18894	19.279	ug/l	99
47) Bromodichloromethane	7.824	83	36288	19.537	ug/l	98
48) Methyl methacrylate	7.690	41	26919	18.538	ug/l	99
49) 1,4-Dioxane	7.671	88	10110	365.342	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	167009	94.306	ug/l	99
52) Toluene	8.720	92	61392	18.902	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	36190	19.096	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	38523	19.005	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	25495	18.639	ug/l	97
56) Ethyl methacrylate	9.116	69	37166	18.881	ug/l	98
57) 1,3-Dichloropropane	9.311	76	41933	18.984	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	93040	98.163	ug/l	100
59) 2-Hexanone	9.433	43	124044	94.398	ug/l	98
60) Dibromochloromethane	9.525	129	27827	18.625	ug/l	99
61) 1,2-Dibromoethane	9.610	107	27471	18.954	ug/l	99
64) Tetrachloroethene	9.275	164	22707	19.489	ug/l	95
65) Chlorobenzene	10.080	112	67541	18.942	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	26240	19.553	ug/l	98
67) Ethyl Benzene	10.195	91	121656	19.079	ug/l	100
68) m/p-Xylenes	10.305	106	93835	37.898	ug/l	100
69) o-Xylene	10.640	106	46008	19.111	ug/l	99
70) Styrene	10.659	104	76414	19.099	ug/l	99
71) Bromoform	10.799	173	20443	19.267	ug/l #	99
73) Isopropylbenzene	10.964	105	123175	19.143	ug/l	99
74) N-amyl acetate	10.842	43	46018	18.928	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	38768	18.770	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	34975m	19.360	ug/l	
77) Bromobenzene	11.195	156	30233	19.165	ug/l	100
78) n-propylbenzene	11.305	91	139681	18.842	ug/l	99
79) 2-Chlorotoluene	11.366	91	85077	19.163	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	105762	19.232	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10106	17.801	ug/l	94
82) 4-Chlorotoluene	11.457	91	97296	18.728	ug/l	99
83) tert-Butylbenzene	11.713	119	105752	19.261	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	105907	19.363	ug/l	99
85) sec-Butylbenzene	11.890	105	128039	19.381	ug/l	100
86) p-Isopropyltoluene	12.012	119	108711	19.393	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	56624	19.029	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	57486	18.622	ug/l	100
89) n-Butylbenzene	12.335	91	92151	18.896	ug/l	99
90) Hexachloroethane	12.543	117	17667	19.295	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	56448	19.239	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8664	19.132	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	35080	18.336	ug/l	98
94) Hexachlorobutadiene	13.725	225	14990	18.761	ug/l	99
95) Naphthalene	13.774	128	120217	18.858	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	36229	18.629	ug/l	99

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

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