

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092722\
 Data File : VX031691.D
 Acq On : 27 Sep 2022 10:29
 Operator : JC/MD
 Sample : VX0927WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0927WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/28/2022
 Supervised By : Mahesh Dadoda 09/28/2022

Quant Time: Sep 28 06:27:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	65639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	101078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72697	52.183	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.360%			
35) Dibromofluoromethane	5.379	113	60753	50.444	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.880%			
50) Toluene-d8	8.647	98	229514	52.565	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.120%			
62) 4-Bromofluorobenzene	11.079	95	88108	55.056	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	15125	18.934	ug/l	95
3) Chloromethane	1.288	50	16423	21.497	ug/l	98
4) Vinyl Chloride	1.368	62	21081	19.176	ug/l	98
5) Bromomethane	1.612	94	23749	20.668	ug/l	97
6) Chloroethane	1.685	64	23547	17.239	ug/l	96
7) Trichlorofluoromethane	1.886	101	51749	17.079	ug/l	98
8) Diethyl Ether	2.130	74	17027	19.802	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.331	101	17284	19.809	ug/l	91
10) Methyl Iodide	2.453	142	16962	19.833	ug/l	100
11) Tert butyl alcohol	2.995	59	16082	68.865	ug/l	98
12) 1,1-Dichloroethene	2.319	96	14697	20.276	ug/l	92
13) Acrolein	2.239	56	8825	87.497	ug/l	97
14) Allyl chloride	2.660	41	20989	18.284	ug/l #	89
15) Acrylonitrile	3.069	53	47146	97.512	ug/l	99
16) Acetone	2.392	43	36383	101.499	ug/l	99
17) Carbon Disulfide	2.508	76	28680	18.654	ug/l	99
18) Methyl Acetate	2.703	43	23806	19.016	ug/l	91
19) Methyl tert-butyl Ether	3.111	73	62476	20.163	ug/l	99
20) Methylene Chloride	2.788	84	18802	20.338	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	18845	19.537	ug/l	95
22) Diisopropyl ether	3.757	45	59065	19.992	ug/l #	85
23) Vinyl Acetate	3.721	43	237008	101.433	ug/l	95
24) 1,1-Dichloroethane	3.605	63	34482	20.244	ug/l	95
25) 2-Butanone	4.562	43	65319	98.228	ug/l	93
26) 2,2-Dichloropropane	4.477	77	28302	20.472	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	24585	20.811	ug/l	88
28) Bromochloromethane	4.898	49	16044	20.135	ug/l #	78
29) Tetrahydrofuran	5.013	42	41486	99.311	ug/l #	87
30) Chloroform	5.093	83	41711	19.906	ug/l	95
31) Cyclohexane	5.471	56	27259	20.579	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	37212	21.442	ug/l	99
36) 1,1-Dichloropropene	5.690	75	27788	20.091	ug/l	96
37) Ethyl Acetate	4.715	43	26897	19.280	ug/l	98
38) Carbon Tetrachloride	5.678	117	31193	20.011	ug/l	99
39) Methylcyclohexane	7.379	83	33195	21.064	ug/l	89
40) Benzene	6.038	78	84268	19.837	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	14082	19.837	ug/l	91
42) 1,2-Dichloroethane	6.086	62	33559	20.427	ug/l	98
43) Isopropyl Acetate	6.336	43	43364	19.749	ug/l	97
44) Trichloroethene	7.123	130	24809	20.677	ug/l	91
45) 1,2-Dichloropropane	7.428	63	20266	19.657	ug/l	92
46) Dibromomethane	7.580	93	17215	20.792	ug/l	94
47) Bromodichloromethane	7.818	83	31544	21.113	ug/l	99
48) Methyl methacrylate	7.690	41	20614	21.347	ug/l	92
49) 1,4-Dioxane	7.690	88	10278	413.175	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	141832	102.049	ug/l	96
52) Toluene	8.720	92	60047	21.206	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30478	18.881	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	32912	21.197	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	24865	20.395	ug/l	98
56) Ethyl methacrylate	9.116	69	33148	21.251	ug/l	91
57) 1,3-Dichloropropane	9.305	76	39697	20.560	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	79526	103.539	ug/l	91
59) 2-Hexanone	9.433	43	107643	103.805	ug/l	96
60) Dibromochloromethane	9.519	129	24808	18.431	ug/l	97
61) 1,2-Dibromoethane	9.610	107	26301	21.252	ug/l	98
64) Tetrachloroethene	9.275	164	24026	18.895	ug/l	96
65) Chlorobenzene	10.080	112	66784	20.150	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	24447	20.500	ug/l	98
67) Ethyl Benzene	10.195	91	114901	20.380	ug/l	96
68) m/p-Xylenes	10.305	106	92785	40.958	ug/l	99
69) o-Xylene	10.640	106	45548	20.571	ug/l	99
70) Styrene	10.659	104	74416	20.647	ug/l	99
71) Bromoform	10.799	173	16260	17.382	ug/l #	98
73) Isopropylbenzene	10.964	105	121934	21.004	ug/l	99
74) N-amyl acetate	10.842	43	38336	20.358	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	38197	20.708	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	33553m	20.618	ug/l	
77) Bromobenzene	11.195	156	29875	20.244	ug/l	94
78) n-propylbenzene	11.305	91	140059	21.681	ug/l	100
79) 2-Chlorotoluene	11.366	91	85138	21.343	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	106342	21.610	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8285	19.315	ug/l	86
82) 4-Chlorotoluene	11.457	91	98664	21.409	ug/l	98
83) tert-Butylbenzene	11.713	119	101394	21.366	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	107941	22.160	ug/l	100
85) sec-Butylbenzene	11.890	105	128751	21.349	ug/l	99
86) p-Isopropyltoluene	12.012	119	111989	21.533	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	59273	20.718	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	61741	20.617	ug/l	98
89) n-Butylbenzene	12.335	91	92889	21.864	ug/l	98
90) Hexachloroethane	12.536	117	16627	19.938	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	59600	20.802	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7597	20.554	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	35306	21.072	ug/l	98
94) Hexachlorobutadiene	13.725	225	13735	21.023	ug/l	98
95) Naphthalene	13.774	128	122096	21.816	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	36390	21.163	ug/l	97

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

