

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090222\
 Data File : VX031057.D
 Acq On : 02 Sep 2022 11:21
 Operator : JC/MD
 Sample : VX0902WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0902WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/03/2022
 Supervised By : Mahesh Dadoda 09/06/2022

Quant Time: Sep 03 00:48:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	188086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	295105	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	273241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	142379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116399	48.097	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.200%		
35) Dibromofluoromethane	5.385	113	110593	51.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.700%		
50) Toluene-d8	8.647	98	398141	50.233	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.460%		
62) 4-Bromofluorobenzene	11.079	95	145236	51.881	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	36272	18.742	ug/l	99
3) Chloromethane	1.288	50	27977	16.347	ug/l	97
4) Vinyl Chloride	1.374	62	35112	17.368	ug/l	98
5) Bromomethane	1.611	94	20692	22.894	ug/l	99
6) Chloroethane	1.685	64	14321	11.581	ug/l	97
7) Trichlorofluoromethane	1.886	101	66364	19.427	ug/l	96
8) Diethyl Ether	2.136	74	23053	19.350	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	43895	19.399	ug/l	91
10) Methyl Iodide	2.453	142	38497	19.466	ug/l	97
11) Tert butyl alcohol	3.008	59	53885m	97.038	ug/l	
12) 1,1-Dichloroethene	2.319	96	42631	19.510	ug/l	94
13) Acrolein	2.239	56	54934	124.044	ug/l	99
14) Allyl chloride	2.666	41	53266	18.356	ug/l #	91
15) Acrylonitrile	3.068	53	110163	97.090	ug/l	98
16) Acetone	2.392	43	87207	93.342	ug/l	93
17) Carbon Disulfide	2.508	76	101959	17.968	ug/l	97
18) Methyl Acetate	2.709	43	53135	19.792	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	137587	20.446	ug/l	93
20) Methylene Chloride	2.788	84	47788	19.693	ug/l	88
21) trans-1,2-Dichloroethene	3.093	96	46411	19.088	ug/l	88
22) Diisopropyl ether	3.764	45	112090	19.170	ug/l #	86
23) Vinyl Acetate	3.721	43	464351	98.320	ug/l #	92
24) 1,1-Dichloroethane	3.611	63	74652	18.948	ug/l	98
25) 2-Butanone	4.568	43	135145	93.698	ug/l #	85
26) 2,2-Dichloropropane	4.477	77	58953	18.751	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	53042	19.465	ug/l	94
28) Bromochloromethane	4.897	49	22131	18.959	ug/l #	66
29) Tetrahydrofuran	5.019	42	84585	90.964	ug/l #	79
30) Chloroform	5.093	83	84041	19.451	ug/l	95
31) Cyclohexane	5.477	56	63546	19.222	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	72211	19.497	ug/l	95
36) 1,1-Dichloropropene	5.690	75	58752	19.477	ug/l	97
37) Ethyl Acetate	4.715	43	53211	20.302	ug/l	94
38) Carbon Tetrachloride	5.678	117	65419	20.893	ug/l	98
39) Methylcyclohexane	7.385	83	74314	19.878	ug/l	88
40) Benzene	6.037	78	177690	20.517	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	28370	20.303	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	60115	21.042	ug/l	99
43) Isopropyl Acetate	6.342	43	81545	19.907	ug/l #	91
44) Trichloroethene	7.129	130	59085	21.554	ug/l	92
45) 1,2-Dichloropropane	7.434	63	46072	20.754	ug/l #	86
46) Dibromomethane	7.580	93	35949	21.637	ug/l	91
47) Bromodichloromethane	7.824	83	66708	21.490	ug/l #	85
48) Methyl methacrylate	7.696	41	39639	19.168	ug/l #	86
49) 1,4-Dioxane	7.702	88	25522	405.757	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	268000	101.775	ug/l	89
52) Toluene	8.720	92	116444	20.733	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	68348	22.238	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	72352	21.053	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	50969	21.346	ug/l	97
56) Ethyl methacrylate	9.116	69	69066	21.158	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	76890	20.366	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	160209	98.287	ug/l	93
59) 2-Hexanone	9.433	43	201618	101.248	ug/l	89
60) Dibromochloromethane	9.525	129	55123	22.233	ug/l	98
61) 1,2-Dibromoethane	9.610	107	55402	21.978	ug/l	100
64) Tetrachloroethene	9.275	164	57711	21.154	ug/l	95
65) Chlorobenzene	10.079	112	128860	19.746	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	48815	20.258	ug/l	97
67) Ethyl Benzene	10.195	91	222816	19.930	ug/l	99
68) m/p-Xylenes	10.305	106	177365	40.450	ug/l	100
69) o-Xylene	10.640	106	88460	20.570	ug/l	100
70) Styrene	10.659	104	145200	20.864	ug/l	99
71) Bromoform	10.799	173	40231	21.472	ug/l #	99
73) Isopropylbenzene	10.963	105	225804	19.674	ug/l	100
74) N-amyl acetate	10.842	43	66420	19.172	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	70573	19.228	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	64138m	19.056	ug/l	
77) Bromobenzene	11.201	156	60401	20.412	ug/l	84
78) n-propylbenzene	11.305	91	261394	19.996	ug/l	98
79) 2-Chlorotoluene	11.366	91	156215	19.407	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	194910	20.180	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	20136	18.802	ug/l	94
82) 4-Chlorotoluene	11.457	91	178312	19.798	ug/l	97
83) tert-Butylbenzene	11.719	119	187070	19.460	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	196081	20.425	ug/l	98
85) sec-Butylbenzene	11.890	105	240879	19.130	ug/l	98
86) p-Isopropyltoluene	12.012	119	207091	20.768	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	110810	19.549	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	110006	19.487	ug/l	99
89) n-Butylbenzene	12.335	91	176266	19.604	ug/l	97
90) Hexachloroethane	12.536	117	36436	20.162	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	112501	19.351	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	17418	19.478	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	77789	21.142	ug/l	99
94) Hexachlorobutadiene	13.725	225	34746	21.569	ug/l	99
95) Naphthalene	13.780	128	272003	21.077	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	80681	20.905	ug/l	95

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

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