

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102722\
 Data File : VX032423.D
 Acq On : 27 Oct 2022 13:06
 Operator : JC/MD
 Sample : VX1027WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1027WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 28 07:12:16 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	115320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	183006	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80124	50.004	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.000%			
35) Dibromofluoromethane	5.391	113	64491	49.403	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.800%			
50) Toluene-d8	8.647	98	224421	49.441	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.880%			
62) 4-Bromofluorobenzene	11.079	95	84836	47.846	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	29407	22.110	ug/l	97
3) Chloromethane	1.294	50	25113	22.326	ug/l	97
4) Vinyl Chloride	1.374	62	27628	22.318	ug/l	96
5) Bromomethane	1.611	94	25245	25.519	ug/l	97
6) Chloroethane	1.691	64	16599	19.987	ug/l	96
7) Trichlorofluoromethane	1.892	101	49568	21.132	ug/l	99
8) Diethyl Ether	2.136	74	16380	21.549	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	26304	21.247	ug/l	99
10) Methyl Iodide	2.453	142	27461	21.094	ug/l	99
11) Tert butyl alcohol	2.971	59	24530	105.180	ug/l	99
12) 1,1-Dichloroethene	2.318	96	23800	20.579	ug/l	94
13) Acrolein	2.239	56	24269	104.238	ug/l	100
14) Allyl chloride	2.666	41	38114	20.674	ug/l	99
15) Acrylonitrile	3.062	53	66037	104.334	ug/l	99
16) Acetone	2.386	43	59988	103.005	ug/l	99
17) Carbon Disulfide	2.514	76	58844	21.362	ug/l	100
18) Methyl Acetate	2.703	43	40557	21.415	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	81602	20.075	ug/l	98
20) Methylene Chloride	2.794	84	27896	20.891	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	26488	21.041	ug/l	97
22) Diisopropyl ether	3.763	45	81065	20.329	ug/l	97
23) Vinyl Acetate	3.721	43	328838	102.071	ug/l	99
24) 1,1-Dichloroethane	3.611	63	48557	21.170	ug/l	99
25) 2-Butanone	4.556	43	93629	103.771	ug/l	96
26) 2,2-Dichloropropane	4.477	77	36844	20.208	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	30262	20.797	ug/l	97
28) Bromochloromethane	4.903	49	16503	20.200	ug/l	98
29) Tetrahydrofuran	5.007	42	60092	104.446	ug/l	100
30) Chloroform	5.098	83	53180	21.130	ug/l	94
31) Cyclohexane	5.470	56	41303	21.259	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	47152	20.878	ug/l	99
36) 1,1-Dichloropropene	5.696	75	37442	20.597	ug/l	100
37) Ethyl Acetate	4.714	43	36361	19.216	ug/l	99
38) Carbon Tetrachloride	5.678	117	40316	19.996	ug/l	98
39) Methylcyclohexane	7.385	83	44727	20.796	ug/l	97
40) Benzene	6.043	78	105775	20.562	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	20069	20.820	ug/l	99
42) 1,2-Dichloroethane	6.092	62	43768	20.814	ug/l	100
43) Isopropyl Acetate	6.342	43	58531	20.146	ug/l	100
44) Trichloroethene	7.129	130	29302	20.235	ug/l	96
45) 1,2-Dichloropropane	7.433	63	27014	20.457	ug/l	99
46) Dibromomethane	7.586	93	20713	20.453	ug/l	98
47) Bromodichloromethane	7.824	83	39152	20.398	ug/l	98
48) Methyl methacrylate	7.696	41	29822	19.875	ug/l	99
49) 1,4-Dioxane	7.683	88	12052	421.469	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	189327	103.459	ug/l	100
52) Toluene	8.720	92	68516	20.415	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	37840	19.322	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	41916	20.011	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	28534	20.188	ug/l	98
56) Ethyl methacrylate	9.116	69	41343	20.326	ug/l	98
57) 1,3-Dichloropropane	9.311	76	46066	20.182	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	99639	101.734	ug/l	99
59) 2-Hexanone	9.433	43	142385	104.860	ug/l	99
60) Dibromochloromethane	9.525	129	30222	19.576	ug/l	100
61) 1,2-Dibromoethane	9.610	107	29641	19.792	ug/l	97
64) Tetrachloroethene	9.275	164	24811	20.699	ug/l	95
65) Chlorobenzene	10.079	112	75042	20.456	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	27812	20.144	ug/l	99
67) Ethyl Benzene	10.195	91	134708	20.535	ug/l	100
68) m/p-Xylenes	10.305	106	103610	40.675	ug/l	100
69) o-Xylene	10.640	106	50668	20.458	ug/l	100
70) Styrene	10.658	104	83647	20.322	ug/l	99
71) Bromoform	10.799	173	21421	19.623	ug/l #	99
73) Isopropylbenzene	10.963	105	135527	20.846	ug/l	100
74) N-amyl acetate	10.841	43	51595	21.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42899	20.557	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	38373m	21.023	ug/l	
77) Bromobenzene	11.201	156	32937	20.665	ug/l	99
78) n-propylbenzene	11.305	91	154734	20.658	ug/l	100
79) 2-Chlorotoluene	11.366	91	91804	20.466	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	115866	20.853	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11053	19.269	ug/l	93
82) 4-Chlorotoluene	11.457	91	106157	20.224	ug/l	99
83) tert-Butylbenzene	11.713	119	115432	20.809	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	117137	21.196	ug/l	99
85) sec-Butylbenzene	11.890	105	140446	21.041	ug/l	100
86) p-Isopropyltoluene	12.012	119	118289	20.885	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	61493	20.453	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	61585	19.745	ug/l	99
89) n-Butylbenzene	12.335	91	101923	20.685	ug/l	99
90) Hexachloroethane	12.542	117	18945	20.478	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	59922	20.213	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	9368	20.475	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	37639	19.472	ug/l	98
94) Hexachlorobutadiene	13.725	225	16033	19.860	ug/l	98
95) Naphthalene	13.774	128	128487	19.949	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	37933	19.305	ug/l	98

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

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