

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029021.D
 Acq On : 27 May 2022 14:03
 Operator : JC/MD
 Sample : VX0527WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0527WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/31/2022
 Supervised By : Mahesh Dadoda 05/31/2022

Quant Time: May 27 16:40:50 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	253971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	414537	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	382640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	196919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172333	49.502	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.000%		
35) Dibromofluoromethane	5.391	113	145619	53.616	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	107.240%		
50) Toluene-d8	8.653	98	515073	50.301	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.600%		
62) 4-Bromofluorobenzene	11.079	95	207978	54.379	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	54727	16.457	ug/l	99
3) Chloromethane	1.288	50	47772	15.254	ug/l	99
4) Vinyl Chloride	1.374	62	54514	16.152	ug/l	100
5) Bromomethane	1.599	94	59063	21.605	ug/l	95
6) Chloroethane	1.685	64	36467	15.640	ug/l	100
7) Trichlorofluoromethane	1.886	101	86583	16.091	ug/l	99
8) Diethyl Ether	2.136	74	36787	18.762	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	52446	18.522	ug/l	99
10) Methyl Iodide	2.453	142	48122	14.195	ug/l	96
11) Tert butyl alcohol	2.959	59	90717	118.593	ug/l	96
12) 1,1-Dichloroethene	2.319	96	47441	18.049	ug/l	95
13) Acrolein	2.233	56	15488	27.104	ug/l	94
14) Allyl chloride	2.666	41	79530	18.865	ug/l	96
15) Acrylonitrile	3.063	53	177650	105.912	ug/l	99
16) Acetone	2.380	43	145980	97.703	ug/l	95
17) Carbon Disulfide	2.514	76	89330	13.110	ug/l	98
18) Methyl Acetate	2.703	43	79552	21.258	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	206131	22.099	ug/l	99
20) Methylene Chloride	2.788	84	61417	19.593	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	52269	17.654	ug/l	95
22) Diisopropyl ether	3.764	45	182732	20.283	ug/l	92
23) Vinyl Acetate	3.721	43	784346	100.992	ug/l	97
24) 1,1-Dichloroethane	3.611	63	102643	19.598	ug/l	99
25) 2-Butanone	4.556	43	236768	100.955	ug/l	96
26) 2,2-Dichloropropane	4.477	77	81737	19.904	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	69384	20.065	ug/l	96
28) Bromochloromethane	4.898	49	41834	18.976	ug/l	100
29) Tetrahydrofuran	5.001	42	150219	98.539	ug/l	96
30) Chloroform	5.093	83	116322	20.522	ug/l	95
31) Cyclohexane	5.471	56	80174	16.591	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	96716	19.545	ug/l	98
36) 1,1-Dichloropropene	5.696	75	74434	18.246	ug/l	99
37) Ethyl Acetate	4.715	43	89611	21.031	ug/l	99
38) Carbon Tetrachloride	5.678	117	80311	19.562	ug/l	97
39) Methylcyclohexane	7.385	83	86799	18.554	ug/l	94
40) Benzene	6.038	78	231822	19.773	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	48144	21.074	ug/l	96
42) 1,2-Dichloroethane	6.092	62	88976	20.575	ug/l	99
43) Isopropyl Acetate	6.342	43	143801	21.573	ug/l	98
44) Trichloroethene	7.129	130	63777	20.058	ug/l	97
45) 1,2-Dichloropropane	7.434	63	61913	21.166	ug/l	95
46) Dibromomethane	7.586	93	44947	20.576	ug/l	99
47) Bromodichloromethane	7.824	83	85569	21.099	ug/l	99
48) Methyl methacrylate	7.696	41	68716	21.340	ug/l	93
49) 1,4-Dioxane	7.659	88	32225	400.590	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	471771	107.447	ug/l	97
52) Toluene	8.720	92	153460	20.348	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	88600	19.996	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	97286	21.319	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	70219	22.833	ug/l	98
56) Ethyl methacrylate	9.116	69	105186	22.586	ug/l	94
57) 1,3-Dichloropropane	9.311	76	113576	21.896	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	241388	105.870	ug/l	97
59) 2-Hexanone	9.433	43	361684	106.026	ug/l	95
60) Dibromochloromethane	9.525	129	67965	22.661	ug/l	95
61) 1,2-Dibromoethane	9.610	107	71515	22.141	ug/l	97
64) Tetrachloroethene	9.275	164	58343	20.191	ug/l	97
65) Chlorobenzene	10.080	112	172561	21.258	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	65602	22.814	ug/l	100
67) Ethyl Benzene	10.195	91	294954	20.272	ug/l	99
68) m/p-Xylenes	10.305	106	234138	41.334	ug/l	100
69) o-Xylene	10.640	106	118469	21.242	ug/l	100
70) Styrene	10.659	104	200765	22.167	ug/l	99
71) Bromoform	10.799	173	49363	21.798	ug/l	99
73) Isopropylbenzene	10.964	105	303154	20.300	ug/l	100
74) N-amyl acetate	10.842	43	118794	20.237	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	113644	22.183	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	99757m	21.632	ug/l	
77) Bromobenzene	11.201	156	76650	21.693	ug/l	97
78) n-propylbenzene	11.305	91	343645	19.894	ug/l	99
79) 2-Chlorotoluene	11.366	91	215997	20.402	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	261150	20.987	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26670	19.787	ug/l #	85
82) 4-Chlorotoluene	11.457	91	247873	20.252	ug/l	100
83) tert-Butylbenzene	11.719	119	261817	21.732	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	264735	21.216	ug/l	100
85) sec-Butylbenzene	11.890	105	316949	21.328	ug/l	100
86) p-Isopropyltoluene	12.012	119	270876	21.722	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	145123	20.940	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	147612	20.534	ug/l	97
89) n-Butylbenzene	12.335	91	223553	20.690	ug/l	99
90) Hexachloroethane	12.543	117	39607	19.641	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	149405	21.945	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24131	22.060	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	90886	23.113	ug/l	98
94) Hexachlorobutadiene	13.725	225	38218	23.924	ug/l	94
95) Naphthalene	13.774	128	335943	24.008	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	93059	23.563	ug/l	96

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

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