

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061623\
 Data File : VX036197.D
 Acq On : 16 Jun 2023 21:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2023
 Supervised By : Mahesh Dadoda 06/19/2023

Quant Time: Jun 19 01:47:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	141476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	271831	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	122500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	143004	55.312	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.620%			
35) Dibromofluoromethane	5.385	113	96462	52.330	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.660%			
50) Toluene-d8	8.647	98	311907	46.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.520%			
62) 4-Bromofluorobenzene	11.079	95	125652	46.165	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	68047	39.185	ug/l	98
3) Chloromethane	1.294	50	97923	53.297	ug/l	98
4) Vinyl Chloride	1.374	62	81986	46.841	ug/l	100
5) Bromomethane	1.618	94	58598	54.462	ug/l	99
6) Chloroethane	1.691	64	61645	54.431	ug/l	97
7) Trichlorofluoromethane	1.886	101	120261	42.456	ug/l	100
8) Diethyl Ether	2.130	74	63266	60.007	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	67860	42.009	ug/l	99
10) Methyl Iodide	2.453	142	101722	61.072	ug/l	98
11) Tert butyl alcohol	2.989	59	112130	283.692	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	72604	47.531	ug/l	98
13) Acrolein	2.239	56	115307	262.697	ug/l	100
14) Allyl chloride	2.666	41	171409	55.459	ug/l	99
15) Acrylonitrile	3.062	53	307451	304.074	ug/l	99
16) Acetone	2.386	43	294962	274.602	ug/l	98
17) Carbon Disulfide	2.514	76	182470	48.328	ug/l	99
18) Methyl Acetate	2.703	43	242489	59.523	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	360704	60.321	ug/l	97
20) Methylene Chloride	2.788	84	106726	54.840	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	88219	51.980	ug/l	98
22) Diisopropyl ether	3.757	45	364054	59.192	ug/l	95
23) Vinyl Acetate	3.721	43	1364158	312.947	ug/l	100
24) 1,1-Dichloroethane	3.611	63	187587	55.203	ug/l	98
25) 2-Butanone	4.562	43	452047	300.607	ug/l	99
26) 2,2-Dichloropropane	4.477	77	123255	46.642	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	110547	56.962	ug/l	100
28) Bromochloromethane	4.897	49	93843	52.976	ug/l	99
29) Tetrahydrofuran	5.007	42	292769	306.543	ug/l	99
30) Chloroform	5.093	83	200272	55.960	ug/l	100
31) Cyclohexane	5.471	56	115349	41.589	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	152062	50.116	ug/l	100
36) 1,1-Dichloropropene	5.696	75	115428	42.510	ug/l	100
37) Ethyl Acetate	4.715	43	174563	55.179	ug/l	99
38) Carbon Tetrachloride	5.678	117	115944	43.925	ug/l	99
39) Methylcyclohexane	7.379	83	116251	39.752	ug/l	97
40) Benzene	6.037	78	384382	50.339	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	101011	57.914	ug/l	98
42) 1,2-Dichloroethane	6.086	62	186460	54.205	ug/l	99
43) Isopropyl Acetate	6.336	43	278804	57.587	ug/l	99
44) Trichloroethene	7.123	130	88472	46.366	ug/l	97
45) 1,2-Dichloropropane	7.427	63	108437	53.416	ug/l	99
46) Dibromomethane	7.580	93	79886	55.240	ug/l	98
47) Bromodichloromethane	7.824	83	151277	54.487	ug/l	96
48) Methyl methacrylate	7.690	41	142483	57.362	ug/l	100
49) 1,4-Dioxane	7.702	88	51940	1248.913	ug/l #	96
51) 4-Methyl-2-Pentanone	8.574	43	884535	289.345	ug/l	99
52) Toluene	8.720	92	229787	48.065	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	160392	56.086	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	169567	55.293	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	110073	55.772	ug/l	99
56) Ethyl methacrylate	9.116	69	174739	58.611	ug/l	96
57) 1,3-Dichloropropane	9.305	76	191880	54.651	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	464469	282.655	ug/l	100
59) 2-Hexanone	9.427	43	676475	297.650	ug/l	99
60) Dibromochloromethane	9.519	129	108475	56.311	ug/l	99
61) 1,2-Dibromoethane	9.610	107	116584	56.654	ug/l	100
64) Tetrachloroethene	9.275	164	67842	44.163	ug/l	98
65) Chlorobenzene	10.079	112	249526	48.770	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	96135	54.449	ug/l	100
67) Ethyl Benzene	10.195	91	419930	45.957	ug/l	99
68) m/p-Xylenes	10.299	106	319556	92.694	ug/l	97
69) o-Xylene	10.640	106	164669	48.414	ug/l	97
70) Styrene	10.653	104	286143	50.490	ug/l	100
71) Bromoform	10.799	173	73136	60.168	ug/l #	100
73) Isopropylbenzene	10.963	105	399872	43.992	ug/l	99
74) N-amyl acetate	10.842	43	235720	57.387	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	177802	57.127	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	148746m	51.164	ug/l	
77) Bromobenzene	11.195	156	105071	49.337	ug/l	97
78) n-propylbenzene	11.305	91	463662	43.361	ug/l	99
79) 2-Chlorotoluene	11.366	91	303223	45.084	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	356053	46.001	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	46213	55.638	ug/l	97
82) 4-Chlorotoluene	11.451	91	352389	44.968	ug/l	99
83) tert-Butylbenzene	11.713	119	337782	45.905	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	366372	47.456	ug/l	99
85) sec-Butylbenzene	11.890	105	405627	44.272	ug/l	100
86) p-Isopropyltoluene	12.006	119	352762	45.763	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	192243	47.334	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	195735	47.050	ug/l	99
89) n-Butylbenzene	12.329	91	301308	43.799	ug/l	100
90) Hexachloroethane	12.536	117	54518	45.088	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	202002	50.677	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38307	55.801	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	112888	49.960	ug/l	98
94) Hexachlorobutadiene	13.725	225	39621	44.356	ug/l	97
95) Naphthalene	13.774	128	453998	58.250	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	115800	51.107	ug/l	97

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

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