

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033619.D
 Acq On : 06 Jan 2023 10:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/09/2023
 Supervised By : Mahesh Dadoda 01/09/2023

Quant Time: Jan 07 04:15:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:43:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	186426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	269531	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	133004	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104552	49.680	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.360%
35) Dibromofluoromethane	5.379	113	88572	49.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.000%
50) Toluene-d8	8.647	98	315975	49.900	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.800%
62) 4-Bromofluorobenzene	11.079	95	123877	55.192	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.380%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	74485	48.447	ug/l	96
3) Chloromethane	1.294	50	87227	46.098	ug/l	99
4) Vinyl Chloride	1.374	62	82746	49.302	ug/l	97
5) Bromomethane	1.618	94	44982	47.929	ug/l	95
6) Chloroethane	1.691	64	45560	47.110	ug/l	99
7) Trichlorofluoromethane	1.886	101	118676	49.982	ug/l	97
8) Diethyl Ether	2.130	74	42232	56.554	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	78426	66.841	ug/l	97
10) Methyl Iodide	2.453	142	120287	55.526	ug/l	99
11) Tert butyl alcohol	3.038	59	81115m	234.627	ug/l	
12) 1,1-Dichloroethene	2.319	96	74717	68.300	ug/l	92
13) Acrolein	2.239	56	78084	379.044	ug/l	99
14) Allyl chloride	2.666	41	142767	49.087	ug/l	98
15) Acrylonitrile	3.068	53	230566	246.562	ug/l	99
16) Acetone	2.398	43	213529	300.867	ug/l	97
17) Carbon Disulfide	2.514	76	187365	46.755	ug/l	99
18) Methyl Acetate	2.709	43	144620	49.578	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	280861	51.311	ug/l	99
20) Methylene Chloride	2.788	84	87484	49.322	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	81784	47.545	ug/l	99
22) Diisopropyl ether	3.757	45	291984	49.826	ug/l	98
23) Vinyl Acetate	3.721	43	1159123	257.588	ug/l	100
24) 1,1-Dichloroethane	3.605	63	152379	48.059	ug/l	99
25) 2-Butanone	4.568	43	327815	238.566	ug/l	99
26) 2,2-Dichloropropane	4.477	77	113659	51.852	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	99219	49.731	ug/l	97
28) Bromochloromethane	4.897	49	61259	47.563	ug/l	97
29) Tetrahydrofuran	5.013	42	207765	238.390	ug/l	99
30) Chloroform	5.086	83	156667	48.368	ug/l	100
31) Cyclohexane	5.471	56	136270	46.514	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	134565	48.047	ug/l	99
36) 1,1-Dichloropropene	5.690	75	114295	47.628	ug/l	99
37) Ethyl Acetate	4.715	43	129043	48.479	ug/l	98
38) Carbon Tetrachloride	5.672	117	121614	47.887	ug/l	97
39) Methylcyclohexane	7.379	83	142981	47.719	ug/l	99
40) Benzene	6.037	78	337297	48.090	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	74469	51.075	ug/l	99
42) 1,2-Dichloroethane	6.086	62	125926	48.165	ug/l	99
43) Isopropyl Acetate	6.336	43	207240	50.510	ug/l	99
44) Trichloroethene	7.123	130	95437	47.683	ug/l	97
45) 1,2-Dichloropropane	7.427	63	89246	49.395	ug/l	98
46) Dibromomethane	7.580	93	62916	49.738	ug/l	98
47) Bromodichloromethane	7.818	83	122899	50.150	ug/l	97
48) Methyl methacrylate	7.690	41	105448	50.773	ug/l	99
49) 1,4-Dioxane	7.738	88	41048	929.216	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	637272	245.401	ug/l	99
52) Toluene	8.714	92	220686	47.858	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	132076	48.728	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	145459	53.623	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	92618	51.278	ug/l	98
56) Ethyl methacrylate	9.116	69	141711	52.554	ug/l	99
57) 1,3-Dichloropropane	9.305	76	152823	49.453	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	331506	241.688	ug/l	99
59) 2-Hexanone	9.427	43	477980	249.163	ug/l	100
60) Dibromochloromethane	9.519	129	103453	52.364	ug/l	100
61) 1,2-Dibromoethane	9.610	107	98389	51.500	ug/l	100
64) Tetrachloroethene	9.275	164	84711	46.672	ug/l	98
65) Chlorobenzene	10.079	112	244698	48.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	94858	50.280	ug/l	100
67) Ethyl Benzene	10.189	91	423635	48.087	ug/l	99
68) m/p-Xylenes	10.299	106	337348	98.121	ug/l	98
69) o-Xylene	10.640	106	166100	48.728	ug/l	100
70) Styrene	10.652	104	280650	50.117	ug/l	100
71) Bromoform	10.799	173	82345	54.517	ug/l #	99
73) Isopropylbenzene	10.963	105	433671	46.170	ug/l	100
74) N-amyl acetate	10.841	43	183374	48.180	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	136043	46.469	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	111825m	45.893	ug/l	
77) Bromobenzene	11.195	156	117079	47.087	ug/l	99
78) n-propylbenzene	11.305	91	499239	46.882	ug/l	100
79) 2-Chlorotoluene	11.366	91	295631	46.225	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	367344	47.502	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	40814	50.838	ug/l	96
82) 4-Chlorotoluene	11.451	91	339011	45.846	ug/l	99
83) tert-Butylbenzene	11.713	119	377272	46.760	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	364708	47.000	ug/l	100
85) sec-Butylbenzene	11.890	105	460355	48.294	ug/l	100
86) p-Isopropyltoluene	12.006	119	400370	49.152	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	214926	48.026	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	212674	48.580	ug/l	99
89) n-Butylbenzene	12.329	91	335634	49.273	ug/l	100
90) Hexachloroethane	12.536	117	65580	49.904	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	207585	48.546	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27946	51.336	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	147626	49.867	ug/l	100
94) Hexachlorobutadiene	13.725	225	70053	53.623	ug/l	99
95) Naphthalene	13.774	128	432850	46.487	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	143637	46.714	ug/l	99

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

