

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040213.D
 Acq On : 14 Feb 2024 12:24
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2024
 Supervised By : Mahesh Dadoda 02/15/2024

Quant Time: Feb 14 23:59:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	76295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	53106	46.788	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.580%		
35) Dibromofluoromethane	5.379	113	43389	49.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.980%		
50) Toluene-d8	8.647	98	160431	48.922	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.840%		
62) 4-Bromofluorobenzene	11.079	95	65722	49.141	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	44374	51.489	ug/l	98
3) Chloromethane	1.294	50	41816	47.053	ug/l	99
4) Vinyl Chloride	1.374	62	45503	48.451	ug/l	98
5) Bromomethane	1.599	94	31299	59.058	ug/l	98
6) Chloroethane	1.685	64	28832	48.677	ug/l	99
7) Trichlorofluoromethane	1.886	101	74976	49.712	ug/l	99
8) Diethyl Ether	2.130	74	28050	49.509	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	40596	50.179	ug/l	94
10) Methyl Iodide	2.453	142	50690	56.436	ug/l	91
11) Tert butyl alcohol	2.959	59	54141	244.883	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	38638	49.603	ug/l	88
13) Acrolein	2.233	56	52625	257.880	ug/l	99
14) Allyl chloride	2.660	41	63638	47.077	ug/l #	95
15) Acrylonitrile	3.062	53	124405	251.484	ug/l	100
16) Acetone	2.374	43	106603	228.677	ug/l	91
17) Carbon Disulfide	2.508	76	99296	48.285	ug/l	98
18) Methyl Acetate	2.697	43	51757	41.416	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	140852	51.327	ug/l	99
20) Methylene Chloride	2.788	84	45293	51.887	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	42743	48.181	ug/l	91
22) Diisopropyl ether	3.757	45	139554	50.905	ug/l	95
23) Vinyl Acetate	3.715	43	651878	266.735	ug/l	98
24) 1,1-Dichloroethane	3.611	63	78809	49.350	ug/l	99
25) 2-Butanone	4.550	43	170525	234.016	ug/l	95
26) 2,2-Dichloropropane	4.471	77	63605	51.741	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	50718	50.115	ug/l	92
28) Bromochloromethane	4.891	49	36128	53.286	ug/l	91
29) Tetrahydrofuran	4.995	42	112653	237.296	ug/l	94
30) Chloroform	5.086	83	86166	49.906	ug/l	97
31) Cyclohexane	5.464	56	64732	47.813	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	73179	50.381	ug/l	99
36) 1,1-Dichloropropene	5.690	75	60213	49.032	ug/l	98
37) Ethyl Acetate	4.708	43	67829	49.639	ug/l	97
38) Carbon Tetrachloride	5.678	117	60687	51.975	ug/l	91
39) Methylcyclohexane	7.379	83	71483	50.088	ug/l	95
40) Benzene	6.038	78	176339	51.348	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	35909	49.572	ug/l	90
42) 1,2-Dichloroethane	6.086	62	69845	52.033	ug/l	99
43) Isopropyl Acetate	6.336	43	110866	51.974	ug/l	99
44) Trichloroethene	7.123	130	47761	50.419	ug/l	97
45) 1,2-Dichloropropane	7.428	63	46393	51.902	ug/l	99
46) Dibromomethane	7.580	93	35534	53.977	ug/l	93
47) Bromodichloromethane	7.818	83	68854	54.282	ug/l	99
48) Methyl methacrylate	7.690	41	55551	50.896	ug/l	91
49) 1,4-Dioxane	7.653	88	23314	981.875	ug/l #	87
51) 4-Methyl-2-Pentanone	8.568	43	374460	257.123	ug/l	99
52) Toluene	8.714	92	116196	51.656	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	75573	50.064	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	80103	56.348	ug/l #	89
55) 1,1,2-Trichloroethane	9.147	97	50955	53.111	ug/l	97
56) Ethyl methacrylate	9.116	69	79790	55.553	ug/l	96
57) 1,3-Dichloropropane	9.305	76	83161	53.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	171872	252.959	ug/l	99
59) 2-Hexanone	9.427	43	293741	254.395	ug/l	98
60) Dibromochloromethane	9.519	129	55329	56.605	ug/l	99
61) 1,2-Dibromoethane	9.610	107	55726	54.644	ug/l	99
64) Tetrachloroethene	9.275	164	42721	50.443	ug/l	94
65) Chlorobenzene	10.079	112	129255	51.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	48338	55.334	ug/l	99
67) Ethyl Benzene	10.195	91	237659	52.905	ug/l	100
68) m/p-Xylenes	10.299	106	179162	105.601	ug/l	99
69) o-Xylene	10.640	106	89064	54.021	ug/l	99
70) Styrene	10.653	104	151884	55.410	ug/l	98
71) Bromoform	10.799	173	42581	51.836	ug/l #	97
73) Isopropylbenzene	10.963	105	238093	50.151	ug/l	99
74) N-amyl acetate	10.842	43	110576	54.337	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	85704	50.247	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	71621m	52.470	ug/l	
77) Bromobenzene	11.195	156	58672	52.325	ug/l	93
78) n-propylbenzene	11.305	91	290153	50.481	ug/l	99
79) 2-Chlorotoluene	11.360	91	172328	49.651	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	207007	51.792	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	23927	49.279	ug/l	93
82) 4-Chlorotoluene	11.451	91	203196	49.411	ug/l	97
83) tert-Butylbenzene	11.713	119	199750	50.976	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	207589	51.337	ug/l	98
85) sec-Butylbenzene	11.890	105	258967	51.424	ug/l	98
86) p-Isopropyltoluene	12.006	119	218441	52.916	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	116988	52.656	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	116953	49.712	ug/l	98
89) n-Butylbenzene	12.329	91	203580	51.089	ug/l	97
90) Hexachloroethane	12.536	117	36236	55.650	ug/l	85
91) 1,2-Dichlorobenzene	12.335	146	113651	52.842	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20816	52.877	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	75775	51.461	ug/l	96
94) Hexachlorobutadiene	13.725	225	31187	53.069	ug/l	97
95) Naphthalene	13.774	128	243513	52.362	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	72870	51.918	ug/l	97

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

