

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032624\
 Data File : VX040800.D
 Acq On : 26 Mar 2024 16:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/27/2024
 Supervised By : Mahesh Dadoda 03/27/2024

Quant Time: Mar 27 02:44:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	46811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	78570	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	72807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	35855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	39431	50.096	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.200%			
35) Dibromofluoromethane	5.379	113	27896	47.450	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.900%			
50) Toluene-d8	8.647	98	98053	48.709	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.420%			
62) 4-Bromofluorobenzene	11.079	95	37541	47.202	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.400%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	27696	45.720	ug/l	99
3) Chloromethane	1.300	50	25198	40.668	ug/l	98
4) Vinyl Chloride	1.374	62	26477	45.130	ug/l	95
5) Bromomethane	1.599	94	17112	43.268	ug/l	99
6) Chloroethane	1.685	64	18109	43.913	ug/l	98
7) Trichlorofluoromethane	1.886	101	49123	47.853	ug/l	99
8) Diethyl Ether	2.130	74	14851	45.008	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	26042	44.116	ug/l	99
10) Methyl Iodide	2.453	142	30741	39.332	ug/l	99
11) Tert butyl alcohol	2.953	59	31341	248.654	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	24029	43.458	ug/l	99
13) Acrolein	2.233	56	19540	261.964	ug/l	100
14) Allyl chloride	2.666	41	42806	43.197	ug/l	89
15) Acrylonitrile	3.056	53	73460	236.089	ug/l	97
16) Acetone	2.373	43	69699	250.000	ug/l	99
17) Carbon Disulfide	2.508	76	62216	39.174	ug/l	99
18) Methyl Acetate	2.703	43	32669	43.722	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	86004	45.067	ug/l	99
20) Methylene Chloride	2.788	84	26892	44.127	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	24978	42.792	ug/l	96
22) Diisopropyl ether	3.757	45	86071	44.512	ug/l	93
23) Vinyl Acetate	3.715	43	421075	230.375	ug/l	100
24) 1,1-Dichloroethane	3.605	63	48339	43.524	ug/l	99
25) 2-Butanone	4.544	43	107288	245.692	ug/l	98
26) 2,2-Dichloropropane	4.471	77	42498	43.856	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	30371	44.918	ug/l	99
28) Bromochloromethane	4.891	49	24034	47.314	ug/l	99
29) Tetrahydrofuran	4.995	42	70739	243.543	ug/l	99
30) Chloroform	5.086	83	54518	45.850	ug/l	98
31) Cyclohexane	5.464	56	40429	43.230	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	47901	46.869	ug/l	98
36) 1,1-Dichloropropene	5.690	75	36608	42.291	ug/l	98
37) Ethyl Acetate	4.702	43	42778	43.520	ug/l	98
38) Carbon Tetrachloride	5.672	117	42053	43.162	ug/l	98
39) Methylcyclohexane	7.379	83	42022	43.819	ug/l	98
40) Benzene	6.031	78	101799	42.589	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	23265	45.771	ug/l #	94
42) 1,2-Dichloroethane	6.080	62	43320	44.787	ug/l	99
43) Isopropyl Acetate	6.330	43	71029	46.017	ug/l	98
44) Trichloroethene	7.123	130	26044	45.458	ug/l	98
45) 1,2-Dichloropropane	7.421	63	25881	46.150	ug/l	95
46) Dibromomethane	7.574	93	20613	46.409	ug/l	98
47) Bromodichloromethane	7.818	83	43134	47.528	ug/l	98
48) Methyl methacrylate	7.683	41	35011	49.627	ug/l	94
49) 1,4-Dioxane	7.653	88	12790	1074.215	ug/l #	97
51) 4-Methyl-2-Pentanone	8.567	43	233328	243.753	ug/l	96
52) Toluene	8.714	92	63819	44.768	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	42444	45.209	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	44234	45.557	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	26623	45.860	ug/l	97
56) Ethyl methacrylate	9.110	69	45467	46.856	ug/l #	92
57) 1,3-Dichloropropane	9.305	76	44538	44.959	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	113863	223.583	ug/l	98
59) 2-Hexanone	9.427	43	181938	245.357	ug/l	97
60) Dibromochloromethane	9.519	129	32192	47.190	ug/l	100
61) 1,2-Dibromoethane	9.604	107	28165	45.944	ug/l	100
64) Tetrachloroethene	9.269	164	22310	41.138	ug/l	95
65) Chlorobenzene	10.073	112	74271	44.977	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	26152	46.539	ug/l	99
67) Ethyl Benzene	10.189	91	136089	46.017	ug/l	96
68) m/p-Xylenes	10.299	106	98527	90.997	ug/l	92
69) o-Xylene	10.640	106	45609	43.848	ug/l	93
70) Styrene	10.652	104	78355	44.999	ug/l	96
71) Bromoform	10.799	173	21959	47.845	ug/l #	99
73) Isopropylbenzene	10.957	105	125152	46.002	ug/l	99
74) N-amyl acetate	10.841	43	63755	47.597	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	41265	44.804	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	35554m	46.105	ug/l	
77) Bromobenzene	11.195	156	28940	43.947	ug/l	98
78) n-propylbenzene	11.299	91	154296	45.997	ug/l	97
79) 2-Chlorotoluene	11.360	91	88499	45.723	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	106422	46.662	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	14117	46.312	ug/l	96
82) 4-Chlorotoluene	11.451	91	107938	44.461	ug/l	100
83) tert-Butylbenzene	11.713	119	103092	45.068	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	104598	45.568	ug/l	98
85) sec-Butylbenzene	11.890	105	130670	44.921	ug/l	100
86) p-Isopropyltoluene	12.006	119	110122	45.654	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	55155	43.860	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	57457	43.022	ug/l	99
89) n-Butylbenzene	12.329	91	104757	43.068	ug/l	97
90) Hexachloroethane	12.536	117	18819	44.806	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	53461	43.271	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10137	44.081	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	37491	42.697	ug/l	97
94) Hexachlorobutadiene	13.725	225	14613	42.222	ug/l	98
95) Naphthalene	13.774	128	126532	45.548	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	36604	42.430	ug/l	96

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

