

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032522\
 Data File : VX027715.D
 Acq On : 25 Mar 2022 22:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 06:27:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 16:26:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	55614	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	96881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	85900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	40146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	43567	47.763	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.520%		
35) Dibromofluoromethane	5.391	113	32120	50.487	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.980%		
50) Toluene-d8	8.653	98	122284	49.722	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.440%		
62) 4-Bromofluorobenzene	11.085	95	48407	48.507	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.020%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	40015	62.030	ug/l	98
3) Chloromethane	1.295	50	36175	54.119	ug/l	96
4) Vinyl Chloride	1.374	62	36685	57.138	ug/l	97
5) Bromomethane	1.599	94	13519	52.446	ug/l	97
6) Chloroethane	1.679	64	21416	51.979	ug/l	98
7) Trichlorofluoromethane	1.880	101	52793	55.705	ug/l	98
8) Diethyl Ether	2.136	74	19217	56.184	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	34263	54.060	ug/l	91
10) Methyl Iodide	2.453	142	39292	58.614	ug/l	# 86
11) Tert butyl alcohol	2.971	59	51391	302.599	ug/l	99
12) 1,1-Dichloroethene	2.319	96	32730	55.404	ug/l	91
13) Acrolein	2.239	56	30104	253.237	ug/l	95
14) Allyl chloride	2.666	41	68064	60.905	ug/l	# 88
15) Acrylonitrile	3.069	53	124491	299.321	ug/l	98
16) Acetone	2.386	43	118944	308.333	ug/l	# 88
17) Carbon Disulfide	2.508	76	83732	52.832	ug/l	99
18) Methyl Acetate	2.709	43	59921	60.738	ug/l	# 87
19) Methyl tert-butyl Ether	3.117	73	128468	59.238	ug/l	99
20) Methylene Chloride	2.788	84	39264	57.049	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	34258	52.138	ug/l	# 82
22) Diisopropyl ether	3.764	45	133432	59.924	ug/l	# 79
23) Vinyl Acetate	3.727	43	605078	310.757	ug/l	# 89
24) 1,1-Dichloroethane	3.611	63	74281	58.874	ug/l	94
25) 2-Butanone	4.562	43	169260	273.208	ug/l	92
26) 2,2-Dichloropropane	4.483	77	47214	48.936	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	40888	55.867	ug/l	92
28) Bromochloromethane	4.904	49	26923	53.496	ug/l	82
29) Tetrahydrofuran	5.007	42	108509	347.052	ug/l	87
30) Chloroform	5.105	83	69613	55.059	ug/l	93
31) Cyclohexane	5.477	56	62134	56.178	ug/l	88
32) 1,1,1-Trichloroethane	5.385	97	61887	55.075	ug/l	96
36) 1,1-Dichloropropene	5.696	75	53510	53.250	ug/l	96
37) Ethyl Acetate	4.721	43	64848	55.442	ug/l	97
38) Carbon Tetrachloride	5.678	117	54379	55.376	ug/l	98
39) Methylcyclohexane	7.385	83	59767	51.704	ug/l	92
40) Benzene	6.044	78	151214	54.475	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	34462	56.248	ug/l	89
42) 1,2-Dichloroethane	6.092	62	61917	52.469	ug/l	94
43) Isopropyl Acetate	6.348	43	94614	53.560	ug/l	93
44) Trichloroethene	7.129	130	37272	51.895	ug/l	78
45) 1,2-Dichloropropane	7.434	63	39722	54.525	ug/l	100
46) Dibromomethane	7.586	93	28509	54.685	ug/l	87
47) Bromodichloromethane	7.824	83	58243	57.047	ug/l	99
48) Methyl methacrylate	7.696	41	53386	63.292	ug/l #	80
49) 1,4-Dioxane	7.659	88	21297	1142.808	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	352134	290.377	ug/l	88
52) Toluene	8.720	92	94223	54.295	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	57970	51.184	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	63038	56.007	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	39377	55.852	ug/l	91
56) Ethyl methacrylate	9.116	69	66380	57.604	ug/l #	74
57) 1,3-Dichloropropane	9.311	76	68892	54.168	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	165830	281.077	ug/l	92
59) 2-Hexanone	9.433	43	274644	289.814	ug/l	84
60) Dibromochloromethane	9.525	129	38179	55.980	ug/l	95
61) 1,2-Dibromoethane	9.610	107	40060	53.209	ug/l	99
64) Tetrachloroethene	9.275	164	33275	60.020	ug/l	94
65) Chlorobenzene	10.080	112	96710	53.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	34893	56.099	ug/l	99
67) Ethyl Benzene	10.195	91	182783	54.226	ug/l	99
68) m/p-Xylenes	10.305	106	135086	110.567	ug/l	87
69) o-Xylene	10.647	106	65971	53.735	ug/l	86
70) Styrene	10.659	104	113797	58.306	ug/l #	92
71) Bromoform	10.805	173	25808	57.270	ug/l #	98
73) Isopropylbenzene	10.964	105	179530	54.446	ug/l	97
74) N-amyl acetate	10.842	43	87768	55.458	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	63736	54.856	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	61604m	55.114	ug/l	
77) Bromobenzene	11.201	156	37955	52.098	ug/l	75
78) n-propylbenzene	11.305	91	213171	54.488	ug/l	95
79) 2-Chlorotoluene	11.366	91	131354	53.257	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	155343	54.812	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	17907	54.531	ug/l #	77
82) 4-Chlorotoluene	11.457	91	152652	53.802	ug/l	92
83) tert-Butylbenzene	11.719	119	141325	54.280	ug/l	84
84) 1,2,4-Trimethylbenzene	11.756	105	153745	53.447	ug/l	94
85) sec-Butylbenzene	11.890	105	183605	53.833	ug/l	96
86) p-Isopropyltoluene	12.012	119	149135	55.559	ug/l	92
87) 1,3-Dichlorobenzene	11.969	146	75169	55.186	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	73290	51.941	ug/l	95
89) n-Butylbenzene	12.335	91	134758	53.029	ug/l	96
90) Hexachloroethane	12.543	117	23208	54.177	ug/l	88
91) 1,2-Dichlorobenzene	12.335	146	70877	53.662	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16306	57.260	ug/l	64
93) 1,2,4-Trichlorobenzene	13.591	180	42449	54.529	ug/l	98
94) Hexachlorobutadiene	13.725	225	18778	49.535	ug/l	95
95) Naphthalene	13.780	128	160625	56.183	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	40945	52.618	ug/l	95

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

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